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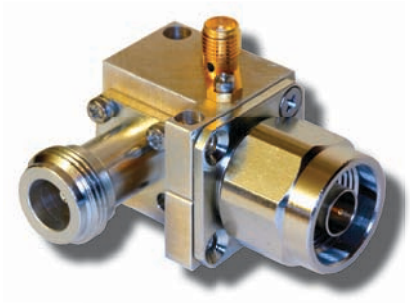

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PRODUCTS FOR RF/MICROWAVE/MILLIMETERWAVE/LIGHT

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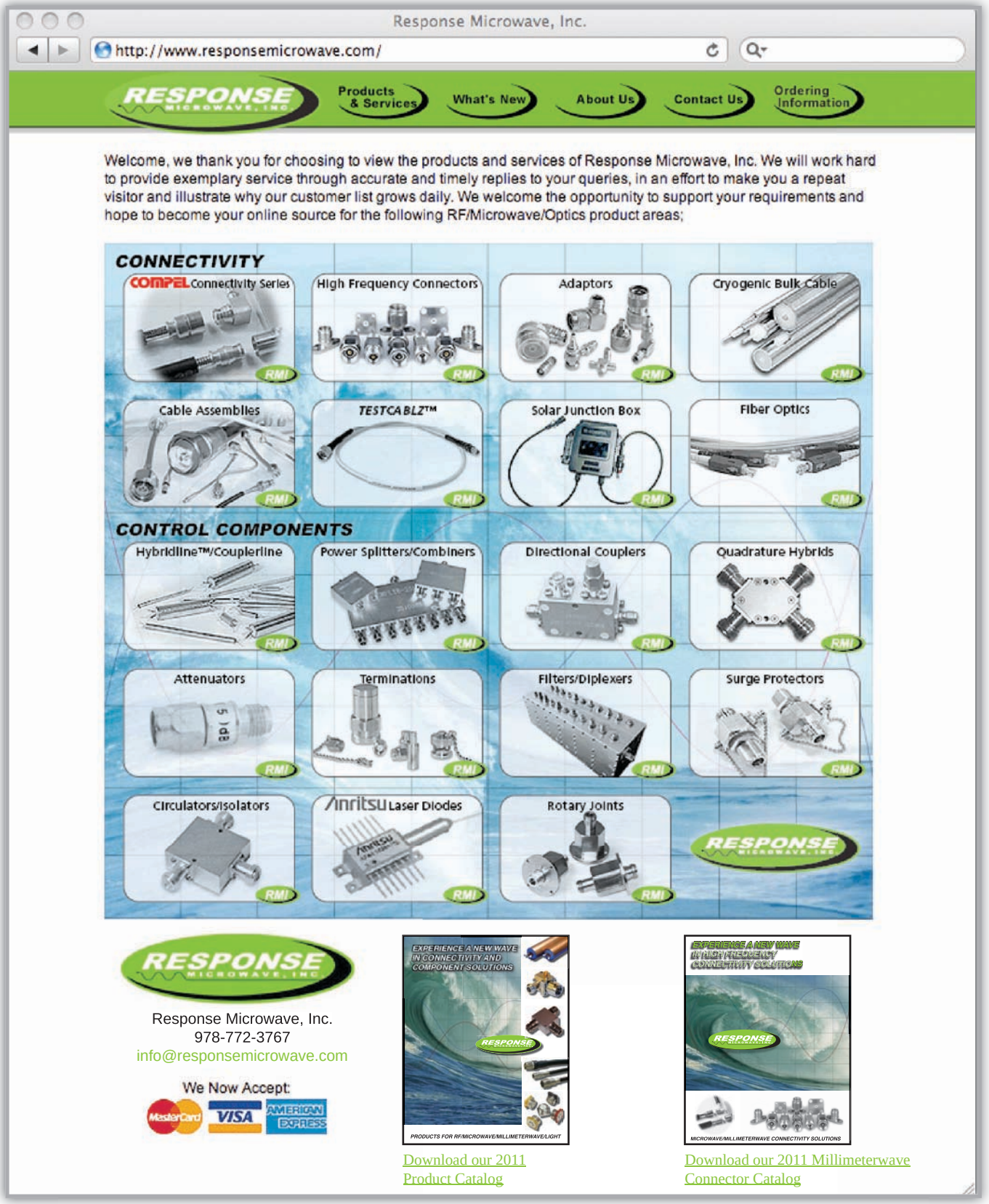

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CONTENTS

Response Microwave, Inc. ..... WE RESPOND

WHO WE ARE

Founded in April of 2002, Response Microwave, Inc. is the compilation of a multi-disciplined team of professionals with over 100 years of relevant experience in the RF/ Microwave market. Our purpose for being, and the basis for our name, is to listen to, and focus on the customer, and respond to your needs. We were created to apply our expertise towards developing application specific solutions that service your exact requirements at any given moment and for any quantity required.

Through a diverse base of competencies and efficiencies, the company has swiftly built a reputation for flexible and responsive service resulting in a world-class list of customers in the medical, telecom, military, Industrial and energy markets.

Versed in the elements of procurement, engineering, materials control, manufacturing, sales and marketing, we are a value added organization that specializes in the sourcing and custom designing of passive control components and connectivity solutions from DC to 60GHz. We offer a standard line of unique twin-conductor couplers and hybrids used in power amplifier compensation networks and antenna distribution feeds. We will also welcome the opportunity to work with your design team to evolve custom solutions to satisfy your specific infrastructure needs. Our experienced design team is dedicated to satisfying your demands by creating the most economically and technologically sound solution for your application. We will work very closely and confidentially with your project team in order to accurately understand and address your program needs.

Our products are suitable for diverse market applications within the broad military, security, telecom, energy and medical segments with specific projects within avionics, theft detection, power amplification, imaging, solar power conversion, and telecommunications niches.

To learn more about our growing company, our world-class support structure and our focused product solutions, please visit our web site or contact us directly. Although we are a young company, our experience is proven and diverse, so we welcome the opportunity and ask you to present us with a chance to respond to your needs.

MISSION STATEMENT

Our goal is to provide our customer base with the highest level of service attainable based on a foundation of honesty and integrity with the intent of building long-standing relationships. We will apply the utmost professionalism in an effort to become a valued resource for innovative technical solutions in support of customer requirements.

QUALITY STATEMENT

We place our highest values on service and product quality as these elements form the cornerstone of our corporation. Our quality assurance manual follows the ISO guidelines and we are working towards certification. All product offered is RoHS certified and, in most cases, designed in accordance with applicable MIL standards. Applicable TUV, ETSI, ANSI and/or UL certification is in place as required.

CORPORATE FACILITIES, CAPABILITIES & PRODUCT SOLUTIONS

Our offices are conveniently located in the technology belt west of Boston, Massachusetts and are easily accessible. Here we have access to world-class facilities certified for prototype through production quantity manufacturing and test.

Precision stripping equipment and custom bending and forming mandrels are employed for use in providing unique solutions with our twin-line hybrid and coupler products. Mechanical and electrical design and simulation software is utilized to provide you with the optimal solution for your requirements.

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OUR COMPETENCIES INCLUDE:

- **Sales & Customer Support**
  Contracted national field sales network
  Focused customer/applications support
- **Engineering Support**
  Consulting design/application capability
  Virtual component engineering services
- **Procurement Support**
  Material & Service acquisition
- **Manufacturing Support**
  Certified global supplier base
- **Test Support**
  Certified sub-contracted facilities

OUR CAPABILITIES INCLUDE:

- **Bending & Forming of**
  HYBRIDLINE & COUPLERLINE drop-in couplers
  Custom tooling & fixturing
  Design solutions
- **Pre-cut Trimming of**
  HYBRIDLINE & COUPLERLINE drop-in couplers
  Access to proprietary laser techniques
  Precision manual process
- **Cable Assembling**
  Phase matching
  Forming
  Labeling
  Electrical test
- **Product Manufacturing**
  - **Equipment**
    Automated drawing lines
    Automatic bending machines
    Automatic stripping machines
    Thermal chambers (-40 to +150 C)
    Heat chamber (to +300 C)
    Tensile testers
    LCR meters
    Laser scan
    Network analyzers
  - **Processes**
    Assembly
    Electrical test
    Mechanical test
    Environmental test
    Quality assurance

OUR PRODUCT SOLUTIONS INCLUDE:

Drop-in Hybrids & Couplers
Connectorized Hybrids & Couplers
Combiners & Dividers
Filters & Diplexers
Isolators & Circulators
Coaxial & Optical Attenuators
Coaxial & Optical Adaptors
Rotary Joints
Terminations
DC Blocks & Bias Tees
Surge Protection
Drop-in & Connectorized Delay Lines/Phase Shifters
Coaxial, Power, Optical, Multipin Connectors
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ORDERING INFORMATION

HOW TO ORDER

Orders may be placed directly and should be addressed as follows:

Response Microwave, Inc.
94 Jackson Rd. Suite 110, Devens, MA 01434, USA
Phone: (978) 772-3767 Fax: (978) 772-3768
Email: **info@responsemicrowave.com**
Code Identification Number: (CAGE) -3DAV8
TIN/EIN Number: 43-1957139

Orders received by fax, e-mail or telephone will be accepted and initially processed pending receipt of confirming purchase order. Receipt of confirming purchase order is required within 5 working days.

MINIMUM ORDER VALUE

Due to costs associated with processing orders, RMI has a $150.00 minimum order value policy on the purchase of all standard items.

TERMS OF PAYMENT

All invoices are due 30 days from date of invoice. Interest may be charged at a rate of 1.5% per month, thereafter. No discounts are authorized. A minimum of 3 trade references and bank information is required in order to establish an open account. If credit is not established, terms will be COD, CIA , credit card or wire transfer. Each shipment shall be considered a separate and independent transaction, and payment therefore shall be made accordingly. We accept Mastercard, VISA, and American Express.

PRICES

Prices for all products are subject to change without notice, and formal quotations are valid for a period of 30 days only unless noted otherwise. For this reason, it is best to confirm required prices at time of order placement. Prices quoted do not include cost for shipping, federal, state, or local excise taxes, export costs, special packaging or any compliance testing, unless specifically requested or identified.

SHIPPING TERMS

Unless specified otherwise, all sales are considered to be made Ex-works Framingham, MA, USA and title passes to the Buyer upon delivery to the carrier. Damage in Shipment is handled by the Buyer directly with the carrier. Shipments are made in accordance with Buyer's specific instruction regarding method and routing. If your order does not indicate a carrier, RMI will select one but cannot be held responsible for selecting the fastest or most economical method. Unless otherwise agreed upon at order placement, RMI reserves the right to make partial shipments payable in accordance with our standard terms. Shipment schedules are approximate and we assume no responsibility for delays beyond our control.

CHANGE ORDERS & CANCELLATIONS

Change orders are considered to be in effect after both the Buyer and RMI have reached a mutual agreement as to the effect of the change on price, delivery, or other conditions of the order.

Orders shall be considered non-cancelable and non-returnable unless RMI agrees in writing to extend restocking charges. Cancellation of an order can be made only with the written consent of RMI and upon such terms as will satisfy all costs incurred by RMI and its proportionate profit in work completed. RMI will stop work promptly upon receipt of your written cancellation intent.

We accept:

COUPLERLINE & HYBRIDLINE

FEATURES

- Cut for frequency coverage between DC-12GHz
- Small surface volume
- Multiple coupling values
- Bulk, finished, or connectorized
- High performance vs. price ratio
- Custom shaping/forming available

HYBRIDLINE 3dB narrowband 90 degree hybrid couplers (for <30% bandwidths)

RMCL-	160/3	240/3	358/3	635/3	962/3
Coupling (dB)	3.0	3.0	3.0	3.0	3.0
Unbalance (dB)	+/-0.3	+/-0.3	+/-0.3	+/-0.3	+/-0.3
Phase Error (º)	+/-1	+/-1	+/-1	+/-1	+/-1
Ins. Loss (dB max)	0.3	0.3	0.3	0.3	0.3
Isolation (dB min)	20	20	20	20	20
VSWR (max)	1.20	1.20	1.20	1.20	1.20
Power: W CW @ 2GHz	60	100	200	500	1400
Jacket Diameter (“)	0.063	0.095	0.141	0.250	0.380
Lead Diameter (“)	0.007	0.010	0.016	0.030	0.047
Velocity Factor (%)	63	63	64	70	70
CL Bend Radius (“)	0.10	0.15	0.30	n/a	n/a

HYBRIDLINE 3dB broadband 90 degree hybrid couplers (for >30% bandwidths)

RMCL-	240/2.8	358/2.8	635/2.8	962/2.8
Coupling (dB)	2.8	2.8	2.8	2.8
Unbalance (dB)	+/-0.3	+/-0.3	+/-0.3	+/-0.3
Phase Error (º)	+/-1	+/-1	+/-1	+/-1
Ins. Loss (dB max)	0.3	0.3	0.3	0.3
Isolation (dB min)	20	20	20	20
VSWR (max)	1.20	1.20	1.20	1.20
Power: W CW @ 2GHz	100	200	500	1400
Jacket Diameter (“)	0.095	0.141	0.250	0.380
Lead Diameter (“)	0.011	0.016	0.030	0.047
Velocity Factor (%)	63	64	70	70
CL Bend Radius (“)	0.15	0.30	n/a	n/a

MATERIALS

- Inner Conductors - Silver plated copper clad steel
- Outer shield - Oxygen-free copper (optional solder-plate)
- Primary Insulation - Polymide
- Dielectric - Polytetraflouroethylene (PTFE)

COUPLERLINE™ & HYBRIDLINE™

COUPLERLINE™ medium power directional couplers

RMCL-	240/4.8	240/6	240/10	240/15	240/20	240/25	240/30
Coupling (dB)	4.77	6.0	10.0	15.0	20.0	25.0	30.0
Tolerance (dB)	+/-0.3	+/-0.3	+/-0.5	+/-0.5	+/-0.5	+/-0.5	+/-0.5
Ins. Loss (dB max)	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Directivity (dB min)	20	20	20	20	20	20	20
VSWR (max)	1.20	1.15	1.15	1.15	1.15	1.15	1.15
Power (W CW)	100	100	100	100	100	100	100
Jacket Diameter (“)	0.091	0.091	0.091	0.095	0.095	0.099	0.095
Lead Diameter (“)	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Velocity Factor (%)	65	68	68	68	68	68	68
CL Bend Radius (“)	n/a	n/a	n/a	n/a	n/a	n/a	n/a

COUPLERLINE™ high power directional couplers

RMCL-	358/4.8	358/6	358/10	358/15	358/20	358/25	358/30
Coupling (dB)	4.77	6.0	10.0	15.0	20.0	25.0	30.0
Tolerance (dB)	+/-0.3	+/-0.5	+/-0.5	+/-0.5	+/-0.5	+/-0.5	+/-0.5
Ins. Loss (dB max)	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Directivity (dB min)	20	20	20	20	20	20	20
VSWR (max)	1.20	1.15	1.15	1.15	1.15	1.15	1.15
Power (W CW)	200	200	200	200	200	200	200
Diameter (“)	0.134	0.135	0.138	0.138	0.142	0.138	0.134
Lead Diameter	0.016	0.016	0.016	0.016	0.016	0.016	0.016
Velocity Factor	68	70	70	70	70	70	70
CL Bend Radius (“)	n/a	n/a	n/a	n/a	n/a	n/a	n/a

COUPLERLINE™ loose coupled directional couplers (4 center conductors)

RMCL-	358/35	358/40	358/45	358/49	358/50	358/52
Coupling (dB)	35.0	40.0	45.0	49.0	50.0	52.0
Tolerance (dB)	+/-1.0	+/-1.0	+/-1.5	+/-1.5	+/-1.5	+/-1.5
Ins. Loss (dB max)	0.3	0.3	0.3	0.3	0.3	0.3
Directivity (dB min)	20	20	20	20	20	20
VSWR (max)	1.20	1.20	1.20	1.20	1.20	1.20
Power (W CW)	200	200	200	200	200	200
Diameter (“)	0.141	0.141	0.141	0.141	0.141	0.141
Velocity Factor (%)	70	70	70	70	70	70
CL Bend Radius (“)	n/a	n/a	n/a	n/a	n/a	n/a

Notes:

- Insertion loss does not include coupling loss
- Ask for special installation instructions

MATERIALS

- Inner Conductors - Silver plated copper clad steel
- Outer shield - Oxygen-free copper (optional solder-plate
- Primary Insulation - Polymide
- Dielectric - Polytetraflouroethylene (PTFE)

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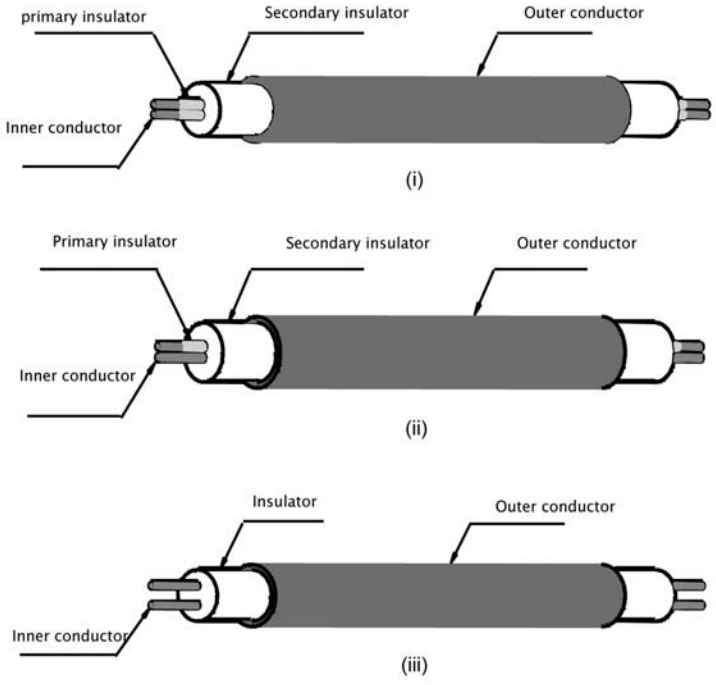
COUPLERLINE™ & HYBRIDLINE™

The RMCL series is a highly versatile line of drop-in couplers and hybrids optimized for electrical performance between 50 to 12000 MHz. This product family is segregated into two distinct categories as follows; HYBRIDLINE – refers to drop-in 3dB, 90 degree quadrature hybrid; and COUPLERLINE – refers to drop-in 4.77 to 52dB directional coupler. In the simplest form, the product architecture consists of a pair of wire center conductors embedded in a teflon dielectric and shielded by a drawn outer conductor. This outer conductor is made from seamless oxygen-free copper, which attains the physical attributes of semi-rigid coaxial cable. The series was developed to provide component and system design engineers with the flexibility to achieve a broadband directional coupler, hybrid or other circuit elements by simply cutting to an appropriate length correlated to operating frequency. To further support design flexibility, all RMCL product families are available in bulk form, pre-cut to a specific length, pre-formed to a specific shape or with coaxial connectors.

There are three mechanical configurations used in order to accommodate varied coupling values. In the instance of tight coupling, a pair of inner conductors has to be set very close with parallel and constant distance. To obtain that status, one or both inner conductors are insulated with polyimide and continuously covered by PTFE (See diagrams i, ii of FIGURE 1). This is applicable to the RMCL160, 240, 358, 635 & 962 HYBRIDLINE families. In the instance of looser coupled versions, distance of the two inner conductors is wider as diagram iii of FIGURE 1 shows. This is applicable to the RMCL240 and 358 COUPLERLINE series.

[FIGURE 1]



Our products are suitable for diverse market applications within the broad military, security, commercial and medical segments with specific projects within avionics, theft detection, power amplification and telecommunications niches.

STANDARD LENGTHS & TOLERANCES

Standard length of all HYBRIDLINE 3dB hybrid bulk material is 1 meter. The RMCL240 and 358 COUPLERLINE families are not available in bulk form, but rather only pre-cut to a specific length. Standard tolerances of all pre-cut lengths is as follows;

LENGTH [cm]	LESS THAN 5	5 - 20	20 - 60	60 - 200
Tolerance [mm]	+/- 0.2	+/- 0.25	+/- 0.3	+/- 0.5

COUPLERLINE™ & HYBRIDLINE™

FUNCTION

Function of a quarter wavelength frequency L0 is shown in FIGURE 2 below. The RMCL series is fundamentally a 4 port circuit with partially coupled dual center conductors; A-B and C-D. With an input signal applied to port A, according to specified coupling value, the proper amount of signal is conveyed to ports B and C with no output on port D. This is the ideal performance of a directional coupler. There is a 90 degree phase differential between input port A and output port B, and equal phase on ports A and C. Defining output power on each port as P_B, P_C, P_D and input power as P_A, the calculation is as follows.

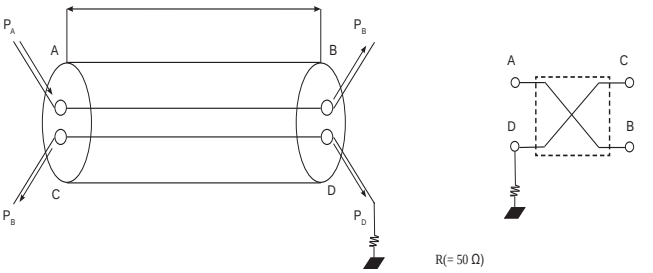
1. Through ; L [dB]
   $L\,[dB] = 10 \log \frac{P_A}{P_B}$

2. Coupling ; C [dB]
   $C\,[dB] = 10 \log \frac{P_A}{P_C}$

3. Isolation ; I [dB]
   $I\,[dB] = 10 \log \frac{P_A}{P_D}$

4. Directivity ; D [dB]
   $D\,[dB] = 10 \log \frac{P_C}{P_D}$

[FIGURE 2]

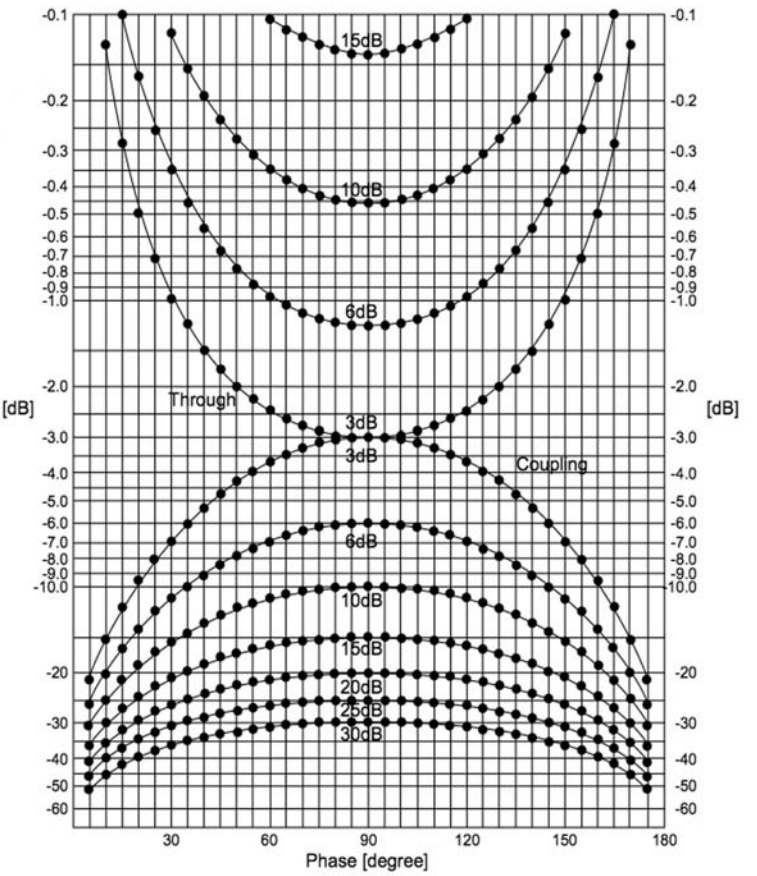


In the case of 3dB coupling (hybrid), output power of P_B and P_C is about the same and there is no output at P_D .

COUPLING CURVES

FIGURE 3 represents typical coupling curves. The vertical axis shows relative power output of coupling and through paths. 90° at horizontal axis indicates frequency of quarter wavelength. Curves are calculated by formulas 5 & 6 noted below.

[FIGURE 3]



5. Coupling power output

$$P_C = \frac{P_o \sin^2 \theta}{1 - (1 - \sin^2 \theta) P_o}$$

θ ; Phase

P_o ; Coupling power output at θ = 90°

6. Through power output

$P_T = 1 - P_C$

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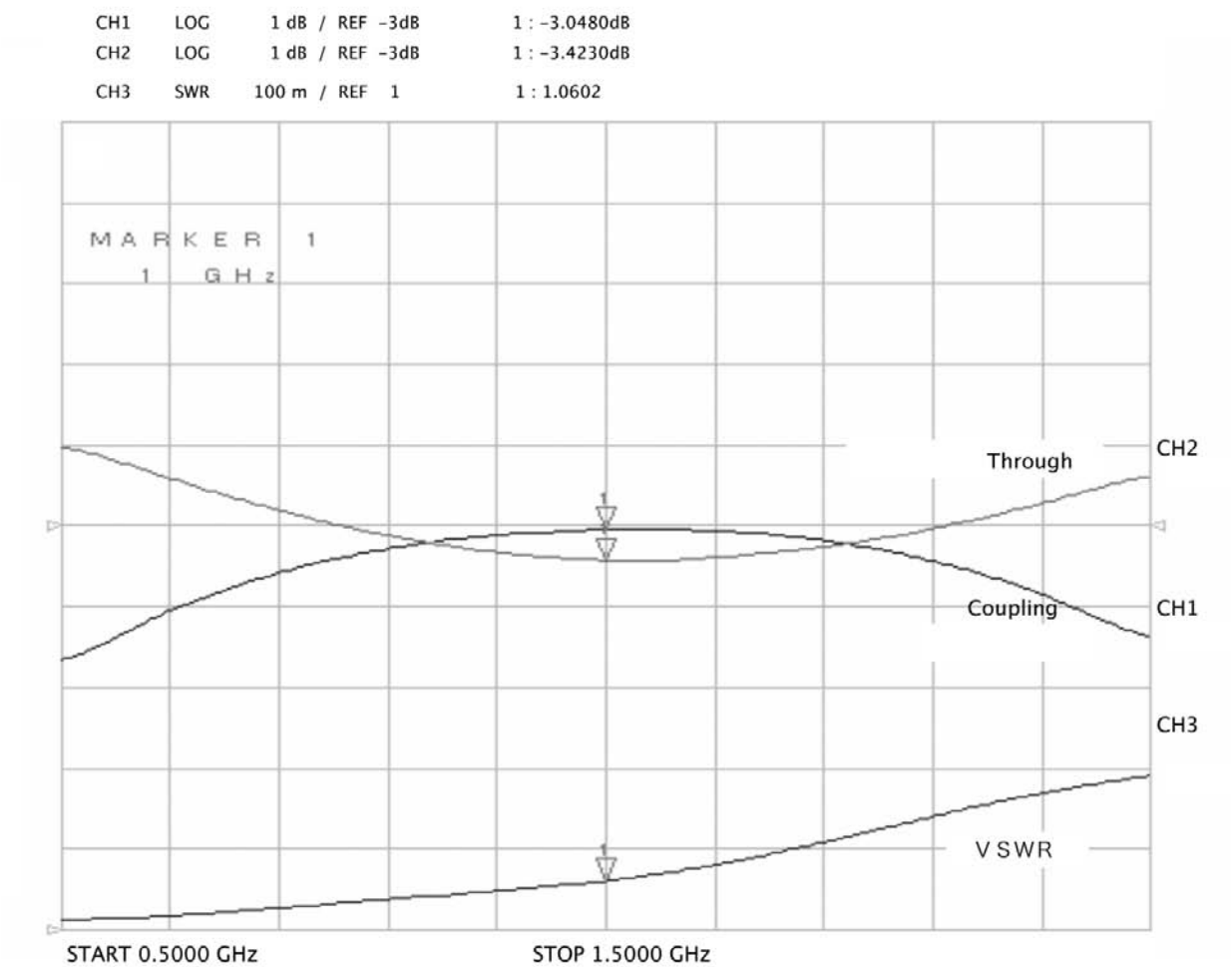
COUPLERLINE™ & HYBRIDLINE™

Coupling Chart

Insertion loss is defined as input power minus total output power and is typically less than 0.3dB in the RMCL series and can be as low as 0.1dB. In the case of standard 3dB HYBRIDLINE material, the coupling range is –3±0.3dB and if the coupling becomes stronger, say –2.8dB, then through output at the middle of the band becomes –3.28dB. As FIGURE 4 indicates, coupling output and through output cross at the center of the operating frequency range.

FIGURE 4 shows example properties of the 3dB HYBRIDLINE family.

[FIGURE 4]



PHASE

As FIGURE 5 (i) below represents, defining phase at port A as $\angle\theta$, phase difference at port B becomes 90° $\angle\theta$ - 90°, coupling output at port C becomes the same as port A $\angle\theta$. Based on this, the phase at each port on FIGURE 5 (ii) will be as follows;

[FIGURE 5]

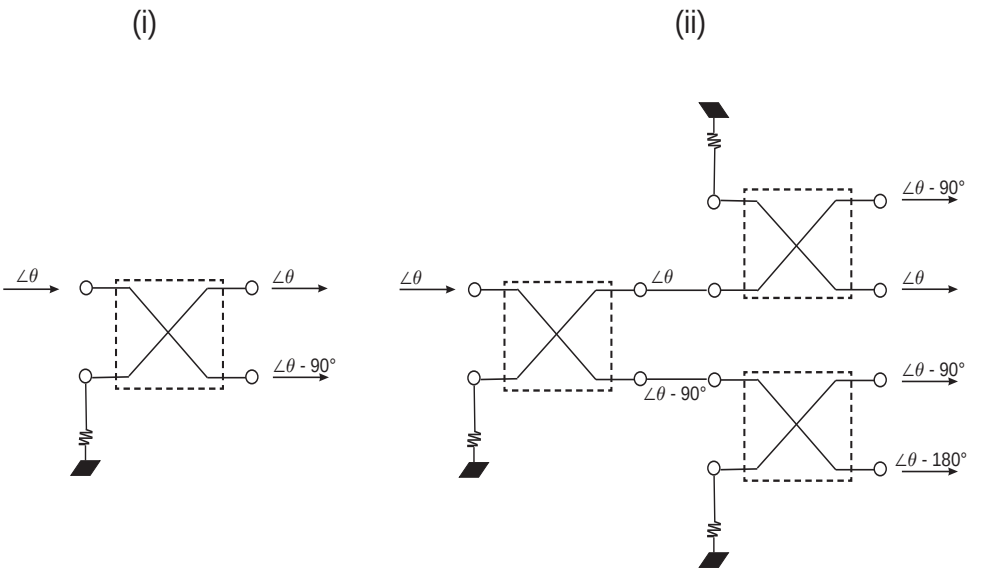
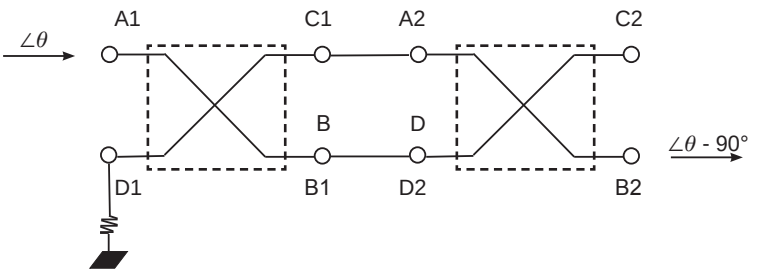


FIGURE 6 shows connection of two 3dB couplers. Around the center frequency of this configuration, input signals offset each other at port C2 by coupling output signal of A1→C1→C2 and signal of A1→B1→C2, these 2 signals are opposite phase. On the other hand, a signal from A2 and coupling output signal from D2 enhance the phase at B2 due to the same phase of $\angle\theta$ - 90°.

[FIGURE 6]



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COUPLERLINE™ & HYBRIDLINE™

APPLICATIONS

HYBRIDLINE and COUPLERLINE material can be used to function in numerous applications including the following examples;

- 3dB hybrid or coupler
- 4.77dB to 52dB directional coupler
- Power divider/combiner
- Single balanced mixer
- Diplexer
- Power monitor

For a simple diplexer, two 3dB hybrids are used as shown FIGURE 6. To separate the 1GHz from 50MHz signal, if both signals are fed into port A1, the 1GHz signal would reach port B2 and the 50MHz signal would reach port C2.

When a specific coupling value other than our standard value is required, the closest standard COUPLERLINE can be used for this purpose by setting the center frequency higher to make desired coupling the target point on the standard coupling curves.

A 3-way power divider can be achieved when a 4.8dB coupler and 3dB hybrids are cascaded. The 3 output signals will offer 1dB unbalance over an octave bandwidth. Power loss as a result of phasing and unbalance is less than 0.2dB over the band.

ASSEMBLY

Cutting and stripping

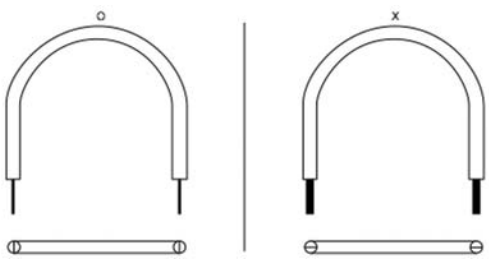
- Overall jacket length is determined by calculation. Please see the length calculator for details.
- HYBRIDLINE is cut and pre-aligned in accordance with RMI standard tolerances, however, customers may need to trim insulation growth which may occur after installation as a result of high temperature soldering. Pre-Conditioning of material is suggested.
- COUPLERLINE family products are only available cut and trimmed by RMI as special tools are required.

BENDING CONSIDERATIONS

Please take the following points into consideration if bending material yourself. We can provide pre-formed parts upon request.

- Bending tool/mandrel should always be used to prevent jacket flats and breaks.
- Bend slowly to avoid stress.
- Stay within minimum specified bend radius for given material.
- Maintain consistent bend/shape and length of 2 center conductors as shown in FIGURE 15.

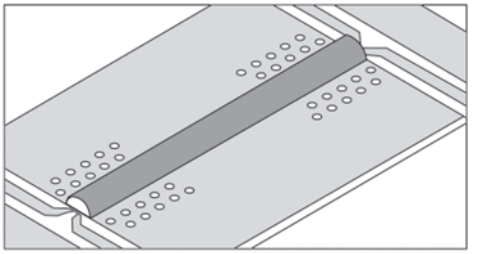
[FIGURE 15]



COUPLERLINE & HYBRIDLINE

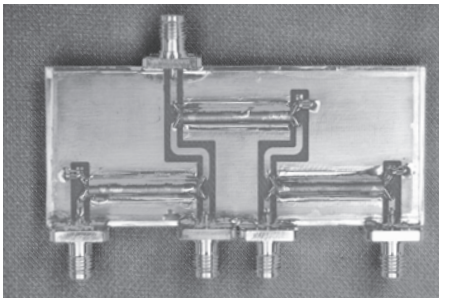
MOUNTING CONSIDERATIONS

To mount HYBRIDLINE or COUPLERLINE on a circuit board, both ends of the jacket should be firmly grounded at its outer edges. If grounding is done even slightly inside the edges, it may affect the electrical performance and heat dissipation. All material is offered with either bare copper or environmentally friendly tin plate jacket finishes.



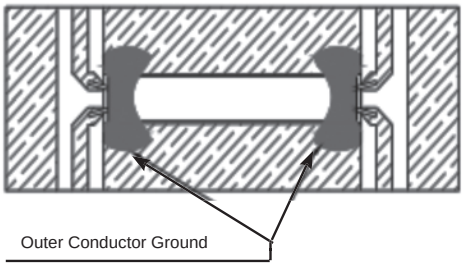
[FIGURE 7]

HYBRIDLINE and COUPLERLINE can be mounted to a grounding pad on the surface of the PCB substrate, brought vertically through a hole in the PCB substrate or, ideally, dropped into a groove or slot in the PCB substrate. (see FIGURE 7) In either case, the entire outer jacket must be grounded to the motherboard. It is very important that the jacket is grounded up to each end as failure to do this may result in degraded electrical performance and power dissipation (see FIGURE 8) All material is offered with bare copper or environmentally friendly tin plate jacket finishes.



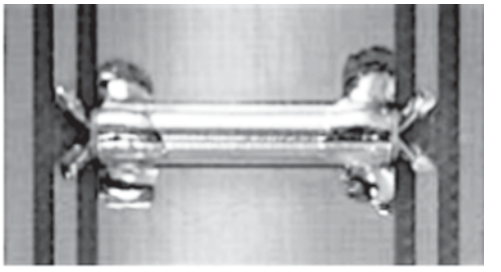
[FIGURE 8]

Lead lengths should be kept as short as possible and leads should be bent away from each other in a V-pattern. (see FIGURES 9 & 10) To reduce coupling unbalance, length of the two bare leads, which typically connect to 50 ohm characteristic impedance lines, should be minimized (ideally zero). Take care to avoid /prevent solder bridges and minimize lead inductance. Conventional solder techniques should be used, however it should be noted that heat, flux and cleaning of the solder joints can cause wicking which may increase center band coupling. Wicking can be prevented by prompt cleaning and/or conformal coating the material ends.



[FIGURE 9]

High power applications should consider the use of potting compound around the lead area. Relationship of input to main output can be configured as cross-over or non-crossover based on lead to circuit trace layout (see FIGURES 11 & 12). Examples of proper layout geometries are shown in FIGURES 13 & 14.



[FIGURE 10]

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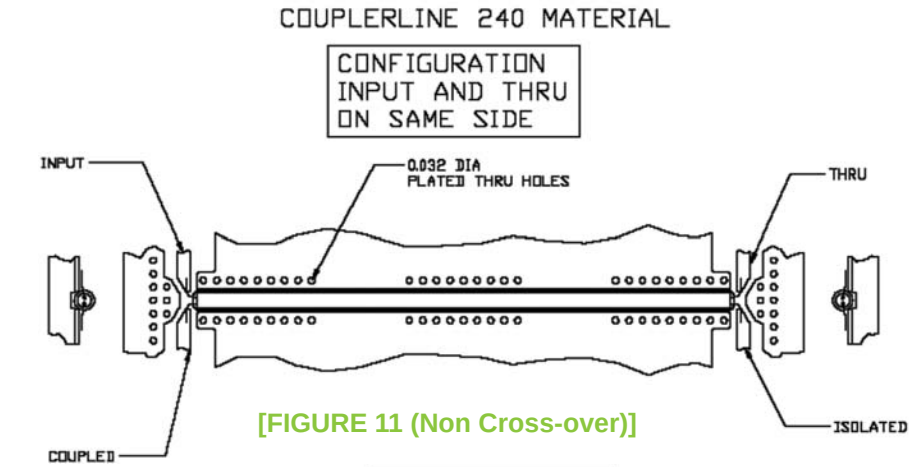
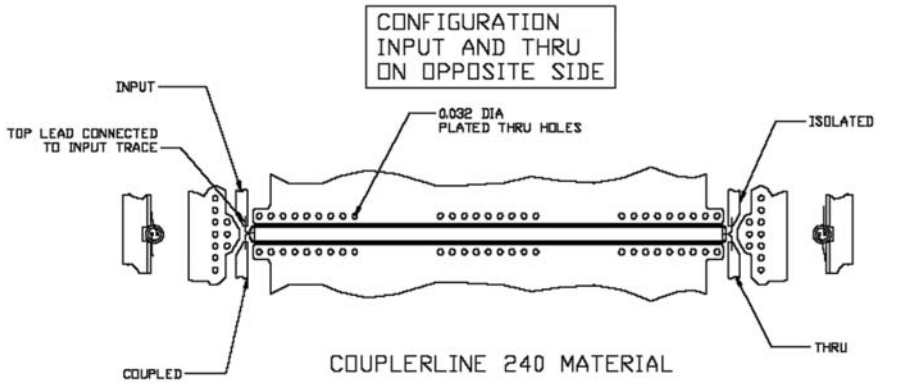
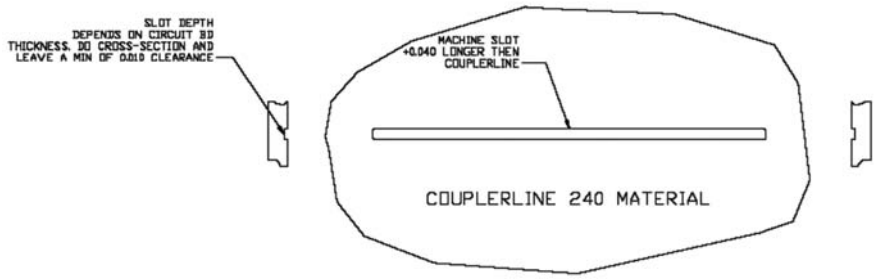


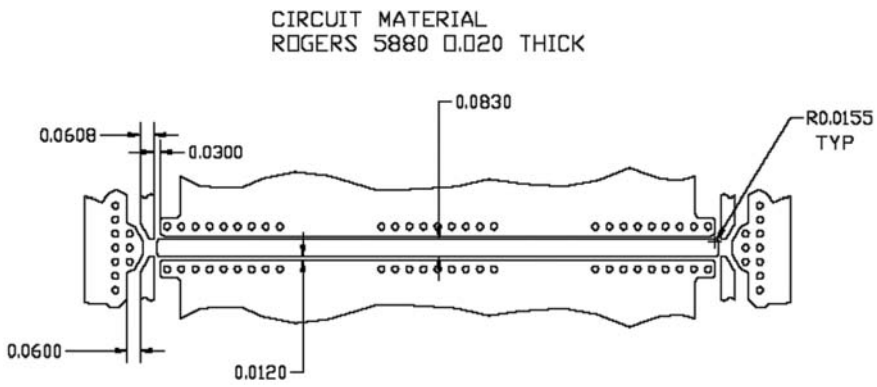
[FIGURE 11 (Non Cross-over)]



[FIGURE 12 (Cross-over)]



[FIGURE 13 PCB Slot]



[FIGURE 14 PCB Line Widths]

COUPLERLINE & HYBRIDLINE

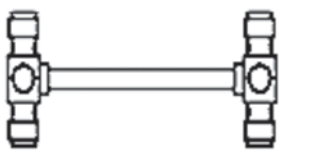
CONNECTORIZED HYBRIDLINE & COUPLERLINE

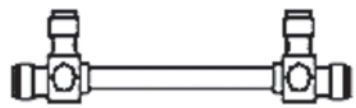
Response provides a coaxial interface for either the HYBRIDLINE or COUPLERLINE core material which have been exclusively developed to provide optimal electrical performance. Various connector configurations and mounting methods are offered to satisfy your specific requirement.

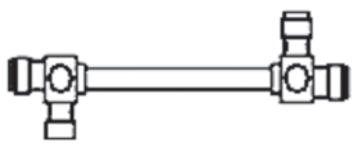
Custom variants are available upon request. Note that there may be slight degradation of electrical performance if the connectors are attached on lengths less than 30mm (frequencies above 2GHz).

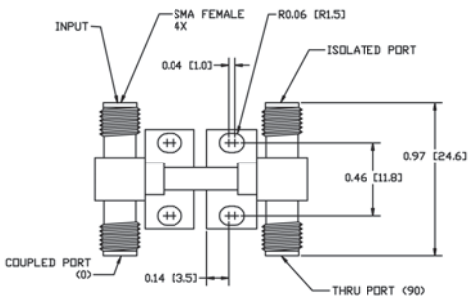
Fixed or removable terminated versions are available upon request.

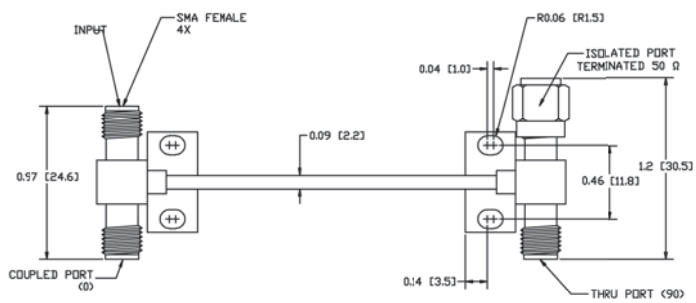
Type T & L connectors are available for RMCL-240 and RMCL-358 product families and T connectors are available for the RMCL-635/3 family. Bracket flange versions are available for RMCL-240 & RMCL-358 only. RMI can also package HYBRIDLINE in a machined aluminum housing with cover and any connector options. The following configurations are available;

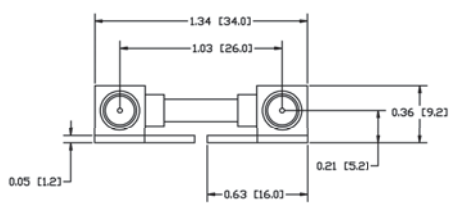


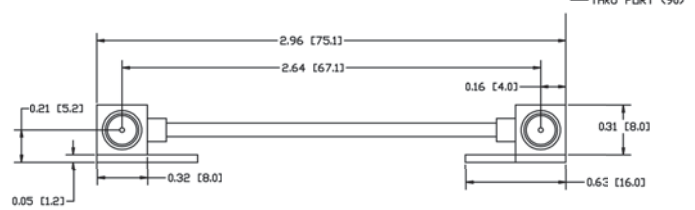












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COUPLERLINE™ & HYBRIDLINE™

HYBRIDLINE PART NUMBERING KEY

RMCL _ _ _ / _ - _ . _ _ . _ _
a b c d

a = **Series**	b = **Coupling Value**	c = **Length**	d = **Outer Jacket Plating**
160 = 0.063" OD jacket	3 = 3dB	Jacket length in inches (only if pre-cut material is required) or "B" for bulk 1 meter un stripped lengths	T = tin plate
240 = 0.095" OD jacket	28 = 2.8 dB		C = bare copper
358 = 0.141" OD jacket	48 = 4.77dB		
635 = 0.250" OD jacket	6 = 6dB		
947 = 0.390" OD jacket	10 = 10dB		
	15 = 15dB		
	20 = 20dB		
	25 = 25dB		
	30 = 30dB		

Formula for calculating length based on operating center frequency:

Use the following choice of formulas to determine the jacket length required to accommodate your specific frequency range.

The length of coupler line (1/4 wavelength) L

$$L = \frac{\zeta \cdot V_o}{4 \cdot f_o}$$

ζ : Velocity factor
V_o : Propagation velocity at vacuum
f_o : center frequency (Hz)

Example:
Velocity factor 63% ($\zeta = 0.63$), center frequency f_o = 1GHz
L = 47.25 (mm)
Required length becomes 47.25mm plus lead length.

$$L = \frac{0.63 \times 3 \times 10^{11}}{4 \times 1 \times 10^{9}} = 47.25 \text{ (mm)}$$

An alternate method for calculations is as follows:

To get the length, L, in inches (excluding exposed leads) use the formula;

L= 2.95 x velocity factor / center frequency

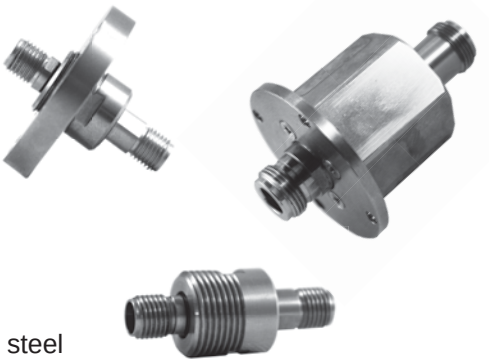
Where the velocity factor is taken from the product specifications for the chosen cross section, and the center frequency is in GHz.

Do multiplication of 2.95 times the velocity factor, thus if the velocity factor is 0.63, the magic number would be 0.63 x 2.95 = 1.86

If you want to use MHz in place of GHz, multiply the magic number by 1000. So the length in inches for this particular material would be 1860 / center Frequency in MHz

The length in mm is simply 25.4 times the length in inches.
The length in cm is 2.54 times the length in inches.

COAXIAL ROTARY JOINTS

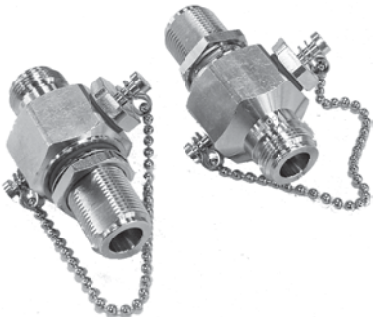


FEATURES

- Precious metal contacts
- Frequency coverage to 40GHz
- Removable mounting flange
- Impedance is 50 Ω
- Average power is 100W @ 1 GHz
- Operating temperature range -35ºC to +80ºC
- Case material is nickel plated aluminum alloy or stainless steel
- Custom development welcome including waveguide

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	VSWR (max)	ROTATIONAL EFFECT (WOW)	ROTATIONAL SPEED (continuous)	STARTING TORQUE (max)
RMRJ.27000Sff	SMA female/female	DC - 27000	0.3	1.20 : 1	1.01/360º	500 rpm	8 oz-in
RMRJ.12500Nff	N female/female	DC - 12500	0.3	1.35 : 1	1.01/360º	100 rpm	1.5 oz-in
RMRJ.40000Kff	2.92 female/female	DC - 40000	1.0	1.70 : 1	1.01/360º	250 rpm	5 oz-in
RMRJ.18000Nff	N female/female	DC - 18000	0.5	1.50 : 1	1.01/360º	100 rpm	2 oz-in
RMRJ.18000Tff	TNC fem/fem	DC - 18000	0.5	1.50 : 1	1.01/360º	100 rpm	2 oz-in

SURGE PROTECTORS



FEATURES

- 1/4 wave & gas tube styles
- Low IMP

GDT TYPE SURGE PROTECTORS

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	THROUGHPUT (kv/ka)	VSWR (max)	INSERTION LOSS (dB max)	POWER (W peak)
RMSP.2500Nmf	N male/female	DC – 2500	6/10	1.20 : 1	0.2	250
RMSP.2500Nff	N female/female	DC – 2500	6/10	1.20 : 1	0.2	250
RMSP.2500716ff	7/16 female/female	DC – 2500	6/10	1.20 : 1	0.2	300
RMSP.2500716Nff	7/16 female/N female	DC – 2500	6/10	1.20 : 1	0.2	250
RMSP.6000Nmf	N male/female	DC – 6000	6/10	1.20 : 1	0.2	300

1/4 WAVE TYPE SURGE PROTECTOR

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	THROUGHPUT (kv/ka)	VSWR (max)	INSERTION LOSS (dB max)	POWER (W peak)
RMSP.900Nmf	N male/female	800 – 900	6/10	1.20 : 1	0.1	300
RMSP.1900Nmf	N male/female	1700 – 1900	6/10	1.20 : 1	0.1	300
RMSP.2200Nmf	N male/female	1900 – 2200	6/10	1.20 : 1	0.1	300
RMSP.2200716mf	7/16 male/female	1900 – 2200	6/10	1.20 : 1	0.1	500
RMSP.6000Nmf	N male/female	5600 – 6000	6/10	1.20 : 1	0.1	300

Notes:

- Alternate connectors available upon request
- Additional frequencies/bandwidths available upon request

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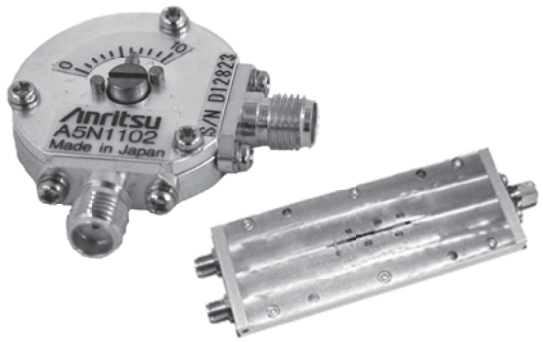
PHASE SHIFTERS/LINE STRETCHERS

FEATURES

- Highly stable
- Built-in locking mechanism
- Phase variation adjustable over a wide range
- Fine-adjustment via trimmer
- Characteristic impedance is 50 Ω
- Operating temperature range -40ºC to +105ºC
- Connector material is passivated stainless steel
- Case material is aluminum w/golden iridite



MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	VSWR (max)	PHASE VARIATION (deg/GHz)
RMPS.20000Sf	SMA female	DC - 20000	0.25	1.15 + 0.035f	53
RMPS.18000Sf	SMA female	DC - 18000	0.25	1.15 + 0.035f	53
RMLS.18000Sff	SMA female/female	DC - 18000	0.20 + 0.04f	1.40 : 1	15
RMLS.18000Sfm	SMA female/male	DC - 18000	0.20 + 0.04f	1.40 : 1	15
A5N1102	SMA female	DC - 11000	1.2	1.7 : 1	40

Notes:

- Custom cable delay lines available upon request
- Alternate connectors available upon request
- Additional frequencies/bandwidths available upon request

DC BLOCKS & BIAS TEES

FEATURES

- Operating frequency range DC - 25GHz
- Characteristic impedance is 50 Ω
- Operating temperature range -55ºC to +85ºC

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	VOLTAGE RATING (V)	VSWR (max)	POWER
RMDC.6000SMAmf	SMA male/SMA female	DC - 6000	0.4	250	1.30 : 1	25 W
RMDC.18000SMAmf	SMA male/SMA female	DC - 18000	0.5	200	1.35 : 1	10 W
RMDC.5000Nmf	N male/N female	DC - 5000	0.4	250	1.20 : 1	100 W
RMDC.3000Nmf	N male/N female	DC - 3000	0.4	250	1.20 : 1	250 W
RMDC.2500Nmf	N male/N female	380 - 2500	0.12	3000	1.20 : 1	250 W
RMDC.12000Nmf	N male/N female	DC - 12000	0.5	250	1.25 : 1	100 W
A3N1023	2.92 male/ 2.92 female	DC - 25000	2.0	16	1.40 : 1	10 W
A3N1003	2.92 female/2.92 female	DC - 20000	3.0	±30	1.20 : 1	±0.5 A
A3N1007	2.92 female/2.92 female	DC - 20000	3.0	±30	1.20 : 1	±0.5 A
A3N1015	2.92 female/2.92 female	DC - 20000	3.0	±30	1.20 : 1	±0.5 A
A3N1026	2.92 female/2.92 female	DC - 20000	3.0	±30	1.20 : 1	±0.2 A

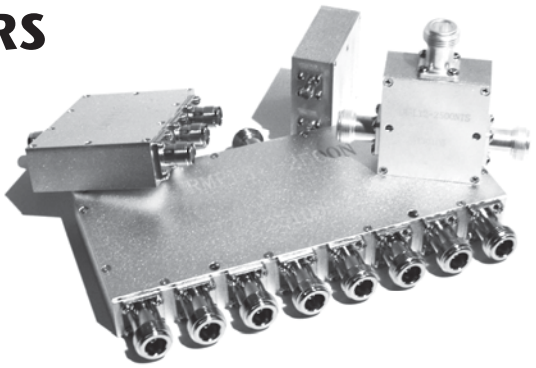
Notes:

- Alternate connectors available upon request
- Additional frequencies/bandwidths available upon request

POWER DIVIDERS/SPLITTERS

FEATURES

- Low Cost
- 2-way to N-way
- Frequency coverage to 26GHz
- In-line or T-configuration
- Models available in 50 and/or 75 Ω impedance values
- Custom development welcome



2 WAY

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)	PHASE BALANCE (°)	AMPLITUDE BALANCE (dB)
RMPD2.1-100Sf	SMA female	1 - 100	0.5	25	1.40 : 1	2	0.2
RMPD2.1-200Sf	SMA female	1 - 200	0.7	20	1.35 : 1	2	0.2
RMPD2.100-250Sf	SMA female	100 - 250	0.6	20	1.40 : 1	3	0.2
RMPD2.200-400Sf	SMA female	200 - 400	0.35	20	1.30 : 1	2	0.2
RMPD2.225-450Sf	SMA female	225 - 450	0.35	20	1.30 : 1	2	0.2
RMPD2.500Sf	SMA female	5 - 500	0.6	25	1.20 : 1	4	0.15
RMPD2.800-940Sf	SMA female	800 - 940	0.3	20	1.30 : 1	2	0.2
RMPD2.1000Sf	SMA female	10 - 1000	0.8	23	1.20 : 1	2	0.2
RMPD2.500-1000Sf	SMA female	500 - 1000	0.5	20	1.35 : 1	2	0.3
RMPD2.1650Sf	SMA female	800 - 1650	0.3	25	1.40 : 1	2	0.3
RMPD2.1.6-1.9Sf	SMA female	1600 - 1900	0.4	22	1.30 : 1	2	0.2
RMPD2.01-2Sf	SMA female	.01 - 2000	1.1	12	1.45 : 1	4	0.5
RMPD2.500-2000Sf	SMA female	500 - 2000	0.7	20	1.40 : 1	2	0.3
RMPD2.1-2Sf	SMA female	1000 - 2000	0.35	20	1.20 : 1	2	0.2
RMPD2.10-2150Sf	SMA female	10 - 2150	2	20	1.45 : 1	2	0.2
RMPD2.2200Sf	SMA female	800 - 2200	0.25	25	1.10 : 1	2	0.3
RMPD2.2000-2200Sf	SMA female	2000 - 2200	0.3	25	1.40 : 1	2	0.3
RMPD2.2500Sf	SMA female	800 - 2500	0.25	25	1.10 : 1	2	0.2
RMPD2.650-2700Sf	SMA female	650 - 2700	0.4	22	1.30 : 1	2	0.2
RMPD2.700-2700Sf	SMA female	700 - 2700	0.4	22	1.30 : 1	2	0.2
RMPD2.3100-3400Sf	SMA female	3100 - 3400	0.4	22	1.30 : 1	2	0.2
RMPD2.4000Sf	SMA female	2000 - 4000	0.3	20	1.30 : 1	2	0.2
RMPD2.3700-4200Sf	SMA female	3700 - 4200	0.4	20	1.25 : 1	2	0.2
RMPD2.08-6Sf	SMA female	800 - 6000	1.25	20	1.50 : 1	5	0.5
RMPD2.6000Sf	SMA female	2000 – 6000	0.5	20	1.35 : 1	4	0.2
RMPD2.5900-6500Sf	SMA female	5900 - 6500	0.4	20	1.25 : 1	2	0.2
RMPD2.6700Sf	SMA female	2500 - 6700	0.5	18	1.35 : 1	5	0.5
RMPD2.2-8Sf	SMA female	2000 – 8000	0.7	20	1.40 : 1	3	0.2
RMPD2.4-8Sf	SMA female	4000 - 8000	0.5	20	1.35 : 1	2	0.2
RMPD2.7000-9000Sf	SMA female	7000 - 9000	0.8	20	1.50 : 1	5	0.3
RMPD2.10000Sf	SMA female	8000 – 10000	0.4	20	1.25 : 1	4	0.2
RMPD2.500-12000Sf	SMA female	500 - 12000	3.8	18	1.50 : 1	8	0.5
RMPD2.1-13Sf	SMA female	1000 – 13000	0.8	20	1.40 : 1	2	0.2
RMPD2.10000-15000Sf	SMA female	10000 - 15000	0.8	20	1.50 : 1	5	0.3
RMPD2.05-18Sf	SMA female	50 - 18000	2.0	15	1.50 : 1	8	0.5

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POWER DIVIDERS/SPLITTERS

2 WAY (cont.)

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)	PHASE BALANCE (°)	AMPLITUDE BALANCE (dB)
RMPD2.2-18Sf	SMA female	2000 – 18000	1.0	20	1.50 : 1	6	0.4
RMPD2.6-18Sf	SMA female	6000 – 18000	0.6	20	1.30 : 1	3	0.2
RMPD2.18-26Sf	SMA female	18000 - 26000	1.2	20	1.50 : 1	5	0.5
RMPD2.5-500Nf	N female	5 - 500	1.5	20	1.25 : 1	6	0.4
RMPD2.50-500Nf	N female	50 - 500	0.5	20	1.50 : 1	2	0.2
RMPD2.2000Nf	N female	1000 - 2000	0.3	20	1.30 : 1	4	0.3
RMPD2.2200Nf	N female	800 - 2200	0.3	20	1.25 : 1	2	0.2
RMPD2.2500Nf	N female	800 - 2500	0.3	20	1.25 : 1	2	0.2
RMPD2.2500NfHP	N female high power	800 - 2500	0.3	18	1.25 : 1	4	0.3
RMPD2.2500NTS	N female	800 - 2500	0.3	20	1.25 : 1	2	0.2
RMPD2.3000.Nf	N female	800 - 3000	0.4	20	1.30 : 1	6	0.6
RMPD2.3700-4200Nf	N female	3700 - 4200	0.4	20	1.25 : 1	2	0.2
RMPD2.6000Nf	N female	2000 - 6000	0.5	20	1.35 : 1	4	0.4
RMPD2-8000Nf	N female	2000 - 8000	1.2	20	1.50 : 1	4	0.4
RMPD2.5.9-8.5Nf	N female	5900 - 8500	0.8	16	1.50 : 1	5	0.5
RMPD2-7185NfWP	N female weatherized	7100 - 8500	1.0	20	1.50 : 1	3	0.4
RMPD2.10-13NfWP	N female weatherized	10000 - 13000	1.2	25	1.50 : 1	2	0.3
RMPD2.2400TRP/TRJ	RPTNC female	800 - 2400	0.3	22	1.20 : 1	2	0.2
RMPD2.5900RPTf	RPTNC female	5000 - 5900	0.5	20	1.35 : 1	2	0.3

3-WAY

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)	PHASE BALANCE (°)	AMPLITUDE BALANCE (dB)
RMPD3.250Sf	SMA female	100 - 250	0.8	20	1.25 : 1	5	0.5
RMPD3.940Sf	SMA female	800 - 940	0.4	20	1.20 : 1	5	0.5
RMPD3.1000Sf	SMA female	100 - 1000	0.5	20	1.45 : 1	5	0.5
RMPD3.900-1600Sf	SMA female	900 - 1600	0.5	20	1.50 : 1	4	0.5
RMPD3.2500Sf	SMA female	800 - 2500	0.25	25	1.10 : 1	2	0.2
RMPD3.2300-2500Sf	SMA female	2300 - 2500	0.2	20	1.25 : 1	4	0.5
RMPD3.600-3000Sf	SMA female	600 - 3000	0.5	20	1.20 : 1	2	0.3
RMPD3.2500-3500Sf	SMA female	2500 - 3500	0.3	20	1.30 : 1	4	0.5
RMPD3.2500Nf	N female	800 - 2500	0.25	25	1.10 : 1	2	0.2
RMPD3.2500NTS	N female T-config silver plated	800 - 2500	0.8	20	1.50 : 1	4	0.5
RMPD3.600-3000Nf	N female	600 - 3000	0,5	20	1.20 : 1	2	0.3
RMPD3.5159NfT	N female T-configuration	5100 - 5900	0.7	20	1.35 : 1	5	0.6
RMPD3.2400TRJ	RPTNC female	2300 - 2500	0.2	20	1.25 : 1	4	0.5

POWER DIVIDERS/SPLITTERS

4-WAY

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)	PHASE BALANCE (°)	AMPLITUDE BALANCE (dB)
RMPD4.1-100Sf	SMA female	1 - 100	0.8	22	1.50 : 1	6	0.6
RMPD4.200Sf	SMA female	1 - 200	0.4	30	1.15 : 1	4	0.2
RMPD4.250Sf	SMA female	100 - 250	0.8	20	1.25 : 1	5	0.5
RMPD4.300Sf	SMA female	10 - 300	1	25	1.30 : 1	4	0.3
RMPD4.500Sf	SMA female	5 - 500	0.6	18	1.20 : 1	3	0.3
RMPD4.5-500Sf	SMA female	5 - 500	1.5	20	1.25 : 1	6	0.4
RMPD4.940Sf	SMA female	800 - 940	0.4	20	1.20 : 1	5	0.5
RMPD4.1000Sf	SMA female	100 - 1000	0.5	20	1.45 : 1	5	0.5
RMPD4.1650Sf	SMA female	800 - 1650	0.4	25	1.40 : 1	5	0.5
RMPD4.2000Sf	SMA female	1000 - 2000	0.6	25	1.30 : 1	5	0.5
RMPD4.2500Sf	SMA female	800 – 2500	0.9	20	1.30 : 1	5	0.5
RMPD4.2500Sf20w	SMA female (HP)	800 - 2500	0.5	23	1.40 : 1	6	0.6
RMPD4.700-2700Sf	SMA female	700 - 2700	0.8	18	1.60 : 1	5	0.5
RMPD4.1000-3000Sf	SMA female	1000 - 3000	1	20	1.50 : 1	5	0.6
RMPD4.4000Sf	SMA female	2000 - 4000	0.8	20	1.40 : 1	4	0.4
RMPD4.4200Sf	SMA female	3000 – 4200	0.8	20	1.30 : 1	6	0.4
RMPD4.08-6Sf	SMA female	800 - 6000	1.1	20	1.70 : 1	6	0.4
RMPD4.2-6Sf	SMA female	2000 – 6000	0.8	20	1.40 : 1	4	0.4
RMPD4.8000Sf	SMA female	2000 - 8000	1.0	20	1.50 : 1	5	0.4
RMPD4.4000-8000Sf	SMA female	4000 - 8000	0.8	18	1.50 : 1	6	0.7
RMPD4.9000Sf	SMA female	7000 - 9000	0.6	20	1.35 : 1	6	0.4
RMPD4.7-11Sf	SMA female	7000 - 11000	0.8	20	1.30 : 1	4	0.2
RMPD4.05-12Sf	SMA female	500 - 12000	3.8	16	1.60 : 1	12	0.2
RMPD4.2-18Sf	SMA female	2000 - 18000	1.75	20	1.50 : 1	8	0.5
RMPD4.2000Nf	N female	1000 - 2000	0.6	25	1.30 : 1	5	0.5
RMPD4.2500Nf	N female	800 - 2500	0.25	25	1.10 : 1	2	0.2
RMPD4.3000Nf	N female	800 - 3000	0.6	20	1.30 : 1	6	0.6
RMPD4.1000-3000Nf	N female	1000 - 3000	1	20	1.50 : 1	5	0.6
RMPD4.4000Nf	N female	2000 - 4000	0.8	20	1.40 : 1	4	0.4
RMPD4.2-6Nf	N female	2000 – 6000	0.9	20	1.40 : 1	4	0.4
RMPD4.8000Nf	N female	2000 - 8000	1.2	18	1.50 : 1	8	0.6
RMPD4.800-2500SMT	SMT	800 - 2500	1.4	17	1.50 : 1	6	0.6

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POWER DIVIDERS/SPLITTERS

6-WAY

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)	PHASE BALANCE (°)	AMPLITUDE BALANCE (dB)
RMPD6.400-500Nf	N female	400 - 500	0.6	20	1.50 : 1	5	0.5
RMPD6.500-2000Sf	SMA female	500 - 2000	1	18	1.50 : 1	5	0.5
RMPD6.950-2150Sf	SMA female	950-2150	0.8	20	1.25 : 1	10	1.0
RMPD6.2500Sf	SMA female	800 - 2500	1.2	20	1.50 : 1	8	0.7
RMPD6.3000Nf	N female	800 - 3000	0.8	20	1.30 : 1	6	0.6

8-WAY

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)	PHASE BALANCE (°)	AMPLITUDE BALANCE (dB)
RMPD8.05-175Sf	SMA female	05 - 175	1.6	18	1.20 : 1	5	0.3
RMPD8.500Sf	SMA female	5 - 500	2.0	18	1.30 : 1	8	0.8
RMPD8.200-600Sf	SMA female	200 - 600	2.5	20	1.40 : 1	5	0.5
RMPD8.500-1000Sf	SMA female	500 - 1000	0.7	20	1.50 : 1	15	1.6
RMPD8.2000Sf	SMA female	1000 - 2000	0.6	25	1.30 : 1	4	0.3
RMPD8.2500Sf	SMA female	800 – 2500	0.8	22	1.30 : 1	9	1.2
RMPD8.4000Sf	SMA female	2000 - 4000	0.9	18	1.50 : 1	5	0.4
RMPD8.4200Sf	SMA female	3700-4200	1.0	20	1.50 : 1	6	0.8
RMPD8.6500Sf	SMA female	5900-6500	1.0	20	1.50 : 1	6	0.8
RMPD8.6-18Sf	SMA female	6000 - 18000	1.5	16	1.70 : 1	5	0.5
RMPD8.2000Nf	N female	1000 - 2000	0.75	20	1.40 : 1	4	0.3
RMPD8.2500Nf	N female	800 - 2500	0.8	22	1.30 : 1	9	1.2
RMPD8.4000Nf	N female	2000 - 4000	0.9	18	1.50 : 1	5	0.4

10-WAY

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)	PHASE BALANCE (°)	AMPLITUDE BALANCE (dB)
RMPD10.2000Sf	SMA female	800 – 2000	0.1	18	1.60 : 1	12	1

POWER DIVIDERS/SPLITTERS

12-WAY

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)	PHASE BALANCE (°)	AMPLITUDE BALANCE (dB)
RMPD12.1200-1400Sf	SMA female	1200 - 1400	1.2	20	1.30 : 1	15	1.6
RMPD12.800-2500Sf	SMA female	800 – 2500	1.5	18	1.30 : 1	15	1.6
RMPD12.800-2500Nf	N female	800 - 2500	1.5	18	1.30 : 1	15	1.6

16-WAY

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)	PHASE BALANCE (°)	AMPLITUDE BALANCE (dB)
RMPD16.02-30Sf	SMA female	2 - 30	1.7	20	1.50 : 1	15	1.0
RMPD16.800-2200Sf	SMA female	800-2200	0.9	20	1.50 :1	6	0.8
RMPD16.800 - 2500Sf	SMA female	800 - 2500	1.6	18	1.50 : 1	6	1.6
RMPD16.700-3000Sf	SMA female	700 - 3000	1.6	18	1.50 ; 1	6	1.6
RMPD16.5000-6000Sf	SMA female	5000 - 6000	1.5	18	1.70 : 1	6	1.6

20-WAY

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)	PHASE BALANCE (°)	AMPLITUDE BALANCE (dB)
RMPD20.1400Sf	SMA female	1250 – 1400	2.3	18	1.50 : 1	15	0.5

Notes:

- Alternate connectors available upon request
- Additional frequencies/bandwidths available upon request

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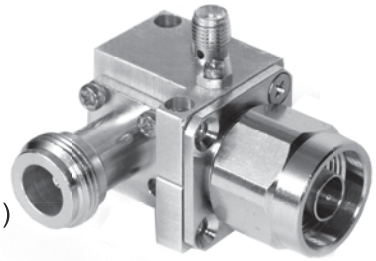
DIRECTIONAL COUPLERS



FEATURES

- Low insertion loss
- Coupling values available to 52dB
- Frequency coverage to 18GHz
- Connector, tab, or drop-in configuration (see HYBRIDLINE section)
- Custom development welcome

SMA

MODEL NUMBER	FREQUENCY (MHz)	COUPLING (dB)	INSERTION LOSS (dB max)	DIRECTIVITY (dB min)	VSWR (max)
RMCO10.150Sf	30 - 150	10 +/- 0.5	1.6	18	1.35 : 1
RMCO30.1000Sf	500 - 1000	30 +/- 1.5	0.4	15	1.20 : 1
RMCO20.1220Sf	960 – 1220	20 +/- 0.5	0.1	20	1.10 : 1
RMCO6.2500Sf	800 – 2500	6 +/- 1.0	0.6	18	1.20 : 1
RMCO10.2500Sf	800 – 2500	10 +/- 1.2	0.7	18	1.25 : 1
RMCO16.2500Sf	800 – 2500	16 +/- 1.2	0.4	18	1.25 : 1
RMCO20.2500Sf	800 – 2500	20 +/- 1.0	0.4	18	1.30 : 1
RMCO30.2500Sf	800 – 2500	30 +/- 1.0	0.3	15	1.40 : 1
RMCO20.3600Sf	3400 – 3600	20 +/- 0.5	0.5	15	1.25 : 1
RMCO30.1-6Sf	1000 - 6000	30 +/- 1.0	0.5	18	1.25 : 1
RMCO30.2-6Sf	2000 - 6000	30 +/- 1.0	0.4	20	1.20 : 1
RMCO10.500-8000Sf	500 - 8000	10 +/- 0.5	1.5	12	1.50 : 1
RMCO6.8000Sf	4000 - 8000	6 +/- 0.5	0.7	18	1.25 : 1
RMCO10.8000Sf	4000 - 8000	10 +/- 0.5	0.7	18	1.25 : 1
RMCO20.8000Sf	4000 - 8000	20 +/- 0.5	0.7	18	1.25 : 1
RMCO6.9500Sf	8600 – 9500	6 +/- 0.5	0.1	15	1.22 : 1
RMCO6.6-10Sf	6000 - 10000	6 +/- 0.5	2.0	15	1.30 : 1
RMCO6.8-10Sf	8000 - 10000	6 +/- 0.5	2.0	15	1.15 : 1
RMCO6.18000Sf	2000 – 18000	6 +/- 0.5	1.0	15	1.40 : 1
RMCO10.18000Sf	2000 – 18000	10 +/- 0.5	1.0	15	1.40 : 1

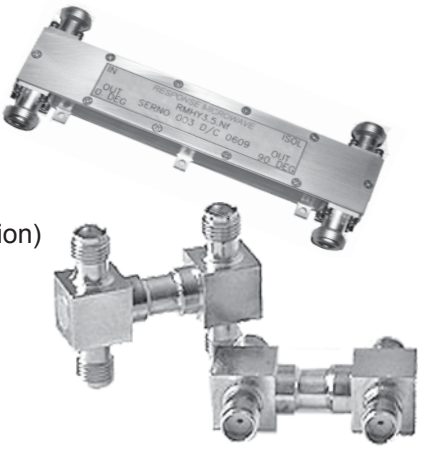
TYPE N

MODEL NUMBER	FREQUENCY (MHz)	COUPLING (dB)	INSERTION LOSS (dB max)	DIRECTIVITY (dB min)	VSWR (max)
RMCO10.150Nf	30 - 150	10 +/- 0.5	1.6	18	1.35 : 1
RMCO6.490Nf	450 - 490	6 +/- 0.1	0.4	18	1.25 : 1
RMCO20.1220Nf	960 – 1220	20 +/- 0.5	0.1	20	1.10 : 1
RMCO20.2200Nf	800 – 2200	20 +/- 0.7	0.5	18	1.40 : 1
RMCO6.2500Nf	800 – 2500	6 +/- 1.0	0.6	18	1.30 : 1
RMCO10.2500Nf	800 – 2500	10 +/- 1.2	0.9	18	1.30 : 1
RMCO16.2500Nf	800 – 2500	16 +/- 1.2	0.4	18	1.25 : 1
RMCO20.2500Nf	800 – 2500	20 +/- 1.0	0.4	18	1.30 : 1
RMCO30.2500Nf	800 – 2500	30 +/- 1.0	0.3	18	1.30 : 1
RMCO20.3600Nf	3400 – 3600	20 +/- 0.5	0.5	15	1.25 : 1
RMCO6.8000Nf	4000 - 8000	6 +/- 0.5	0.7	18	1.25 : 1
RMCO10.8000Nf	4000 - 8000	10 +/- 0.5	0.7	18	1.25 : 1
RMCO20.8000Nf	4000 - 8000	20 +/- 0.5	0.7	18	1.25 : 1

Notes:

- Incremental values available upon request. Adjust P/N by inserting value
- Alternate connector series available upon request
- Additional frequencies/bandwidths available upon request
- See COUPLERLINE section for available drop-in units

QUADRATURE HYBRIDS



FEATURES

- Low insertion loss
- Phase Quadrature 90 or 180 degrees
- Frequency coverage to 18GHz
- Connector, tab, or drop-in configuration (see HYBRIDLINE section)
- Impedance is 50 Ω
- Operating temperature range -35ºC to +80ºC
- Power handling to 1KW average
- Custom development welcome

SMA

MODEL NUMBER	FREQUENCY (MHz)	COUPLING (dB)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)
RMHY3.400Sf	225 – 400	3 +/- 0.5	0.3	15	1.20 : 1
RMHY3.200-500L	200 - 500	3 +/- 0.3	0.3	20	1.30 : 1
RMHY3.200-500R	200 - 500	3 +/- 0.3	0.3	20	1.30 : 1
RMHY3.960Sf	88 – 960	3 +/- 0.3	0.3	18	1.20 : 1
RMHY3.1000Sf	500 – 1000	3 +/- 0.3	0.3	18	1.20 : 1
RMHY3.1-2Sf	1000 – 2000	3 +/- 0.3	0.3	18	1.20 : 1
RMHY3.2000Sf	1700 – 2000	3 +/- 0.3	0.3	18	1.20 : 1
RMHY3.800-2500Sf	800 - 2500	3 +/- 0.3	0.3	23	1.20 : 1
RMHY3.3400Sf	1700 – 3400	3 +/- 0.5	0.3	18	1.50 : 1
RMHY3.2-4Sf	2000 – 4000	3 +/- 0.3	0.3	18	1.20 : 1
RMHY3.3600Sf	3400 – 3600	3 +/- 0.3	0.3	18	1.30 : 1
RMHY3.8000Sf	2000 – 8000	3 +/- 0.5	1.0	15	1.50 : 1
RMHY3.4-8Sf	4000 - 8000	3 +/- 0.5	0.3	15	1.40 : 1
RMHY3.18000Sf	2000 – 18000	3 +/- 0.5	1.3	15	1.60 : 1

TYPE N

MODEL NUMBER	FREQUENCY (MHz)	COUPLING (dB)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)
RMHY3.420Nf	210 – 420	3 +/- 0.5	0.3	15	1.50 : 1
RMHY3.500Nf	250 – 500	3 +/- 0.6	0.3	15	1.50 : 1
RMHY3.1700-2300Nf	1700 - 2300	3 +/- 0.3	0.3	23	1.20 : 1
RMHY3.800-2400Nf	800 - 2400	3 +/- 0.5	0.3	23	1.22 : 1
RMHY3.800-2500Nf	800 – 2500	3 +/- 0.3	0.3	23	1.20 : 1
RMHY3.2100-2600Nf	2100 - 2600	3 +/- 0.3	0.3	23	1.20 : 1

7/16

MODEL NUMBER	FREQUENCY (MHz)	COUPLING (dB)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)
RMHY3.800-2500716f	800 – 2500	3 +/- 0.3	0.3	23	1.20 : 1

Notes:

- Alternate connector options are available upon request
- Additional frequencies/bandwidths available upon request

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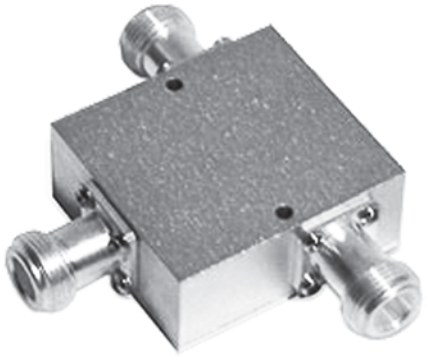
CIRCULATORS



FEATURES

- Economical value
- Drop-in or connectorized
- Frequency coverage to 18GHz
- Impedance is 50 Ω
- Operating temperature range -40ºC to +80ºC
- Power handing is 50 W
- Case material is nickel plated aluminum alloy
- Custom development welcome

SMA

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)
RMCI.600-800Sf	SMA female	600 - 800	0.5	19	1.30 : 1
RMCI.1710-2155Sf	SMA female	1710 - 2155	0.5	20	1.25 : 1
RMCI.2300-2500Sf5	SMA female 5 W	2300 - 2500	0.3	23	1.20 : 1
RMCI.2300-2500Sf10	SMA female 10 W	2300 - 2500	0.3	23	1.20 : 1
RMCI.2300-2500Sf50	SMA female 50 W	2300 - 2500	0.3	23	1.20 : 1
RMCI.2-4Sf	SMA female	2000 - 4000	0.5	18	1.30 : 1
RMCI.3-6Sf	SMA female	3000 - 6000	0.6	16	1.40 : 1
RMCI.7200-7400Sf	SMA female	7200 - 7400	0.3	23	1.20 : 1
RMCI.10-15Sf	SMA female	10000 - 15000	0.5	20	1.30 : 1

TYPE N

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)
RMCI.800-1000Nf	N female	800 - 1000	0.3	23	1.20 : 1
RMCI1700-2200Nf	N female	1700 - 2200	0.4	20	1.25 : 1
RMCI.2300-2500Nf5	N female 5 W	2300 - 2500	0.3	23	1.20 : 1
RMCI.2300-2500Nf10	N female 10 W	2300 - 2500	0.3	23	1.20 : 1
RMCI.2300-2500Nf50	N female 50 W	2300 - 2500	0.3	23	1.20 : 1
RMCI2300-2700Nf	N female	2300 - 2700	0.3	23	1.20 : 1
RMCI.3400-3800Nf	N female	3400 - 3800	0.4	20	1.20 : 1
RMCI.2-4Nf	N female	2000 - 4000	0.5	18	1.30 : 1
RMCI.7200-7400Nf	N female	7200 - 7400	0.3	23	1.20 : 1
RMCI.7-8Nf	N female	7000 - 8000	0.4	23	1.20 : 1
RMCI.10-15Nf	N female	10000 - 15000	0.5	20	1.30 : 1

DROP-IN

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)
RMCI.825-860T	Drop-In	825 - 860	0.3	20	1.20 : 1
RMCI.1-2T	Drop-In	1000 - 2000	0.3	23	1.25 : 1
RMCI.2300-2500T	Drop-In	2300 - 2500	0.3	23	1.20 : 1
RMCI.12500-15500T	Drop-In	12500 - 15500	0.5	19	1.30 : 1
RMCI.17100-17300T	Drop-In	17100 - 17300	0.4	20	1.20 : 1

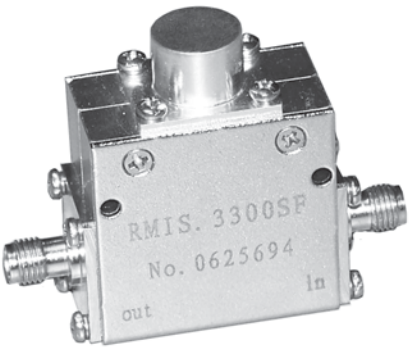
Notes:

- Alternate connectors available upon request
- Additional frequencies/bandwidths available upon request

ISOLATORS

FEATURES

- Economical value
- Drop-in or connectorized
- Frequency coverage to 26GHz
- Impedance is 50 Ω
- Operating temperature range -40ºC to +80ºC
- Power handing is 50 W
- Case material is nickel plated aluminum alloy
- Custom development welcome



SMA

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)
RMIS.2020-2040Sf	SMA female	2020 - 2040	0.3	20	1.25 : 1
RMIS.3300Sf	SMA female	2200 - 3800	0.5	20	1.30 : 1
RMIS.5600-5650Sf	SMA female	5600 - 5650	0.3	25	1.20 : 1
RMIS.5800-6800Sf	SMA female	5800 - 6800	0.5	20	1.30 : 1
RMIS.2000-7000Sf	SMA female	2000 - 7000	1.5	15	1.50 : 1
RMIS.5000-8000Sf	SMA female	5000 - 8000	0.5	20	1.30 : 1
RMIS.7700-8500Sf	SMA female	7700 - 8500	0.35	20	1.25 : 1
RMIS.9000-9500Sf	SMA female	9000 - 9500	0.3	30	1.20: 1
RMIS.18-26.5SMAf	SMA female	18000 - 26500	0.6	17	1.40: 1

TYPE N

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)
RMIS20.820-960Nf	N female	820 - 960	0.5	20	1.25 : 1
RMIS23.920-960Nf	N female	920 - 960	0.3	23	1.20 : 1
RMIS25.925-960Nf	N female	925 - 960	0.3	25	1.15 : 1
RMIS20.1000-1200Nf	N female	1000 - 1200	0.3	20	1.20 : 1
RMIS25.1805-1880Nf	N female	1805 - 1880	0.3	25	1.15 : 1
RMIS22.2300-2500Nf	N female	2300 - 2500	0.3	22	1.25 : 1
RMIS22.2500-2700Nf	N female	2500 - 2700	0.3	22	1.25 : 1
RMIS20.3600-4200Nf	N female	36000 - 4200	0.5	20	1.30 : 1
RMIS20.4200-5500Nf	N female	4200 - 5500	0.5	20	1.30 : 1
RMIS20.5-6Nf	N female	5000 - 6000	0.35	20	1.25 : 1
RMIS20.5800-6500Nf	N female	5800 - 6500	0.5	20	1.30 : 1
RMIS20.7700-8500Nf	N female	7700 - 8500	0.35	20	1.25 : 1
RMIS20.5700-8700Nf	N female	5700 - 8700	0.5	20	1.30 : 1
RMIS20.6500-9000Nf	N female	6500 - 9000	0.5	20	1.35 : 1
RMIS20.10-15Nf	N female	10000 - 15000	0.5	20	1.25 : 1
RMIS22.12700-15500Nf	N female	12700 - 15500	0.4	22	1.20 : 1

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ISOLATORS

DROP-IN

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)
RMIS20.820-960T	Drop In	820 - 960	0.5	20	1.25 : 1
RMIS23.920-960T	Drop In	920 - 960	0.3	23	1.20 : 1
RMIS23.1000-1120T	Drop In	1000 - 1120	0.3	23	1.20 : 1
RMIS17.1170-1480T	Drop In	1170 - 1480	0.5	17	1.30 : 1
RMIS20.2500-2750T	Drop In	2500 - 2750	0.3	20	1.25 : 1
RMIS20.5850-7250T	Drop In	5850 - 7250	0.5	20	1.25 : 1
RMIS20.7750-8500T	Drop In	7750 - 8500	0.4	20	1.20 : 1
RMIS23.8100-8200T	Drop In	8100 - 8200	0.4	23	1.20 : 1
RMIS20.14450-15350T	Drop In	14450 - 15350	0.5	20	1.25 : 1
RMIS20.15250-16600T	Drop In	15250 - 16600	0.5	20	1.20 : 1
RMIS20.17100-17300T	Drop In	17100 - 17300	0.4	20	1.20 : 1
RMIS20.18500-18800T	Drop In	18500 - 18800	0.5	20	1.20 : 1

BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	INSERTION LOSS (dB max)	ISOLATION (dB min)	VSWR (max)
RMIS23.13750-14500SNff	SMA female / N female	13750 - 14500	0.4	23	1.20 : 1

Notes:

- Alternate connectors available upon request
- Additional frequencies/bandwidths available upon request

FILTERS

FEATURES

- High isolation
- Coaxial or tab interface
- Frequency coverage to 40GHz
- Impedance is 50 Ω
- Operating temperature range -35ºC to +80 ºC
- Tuneable versions available
- Custom development welcome

SMA

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	REJECTION (dB)	VSWR (max)	INSERTION LOSS (dB max)
RMFI.1043-1052Sf	SMA female	1043 - 1052	>50	1.29 : 1	2.0
RMFI.2500Sfm	SMA female/SMA male	DC - 2500	> 60	1.30 : 1	0.25
RMFI.10000Sfm	SMA female/SMA male	DC - 10000	> 60	1.35 : 1	0.3
RMFI.18000Sfm	SMA female/SMA male	DC - 18000	> 70	1.60 : 1	0.3

TYPE N

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	REJECTION (dB)	VSWR (max)	INSERTION LOSS (dB max)
RMFI.178Nfm	N female / N male	137 - 178	> 60	1.30 : 1	0.6
RMFI.512Nfm	N female / N male	380 - 512	> 60	1.30 : 1	0.8
RMFI.870Nfm	N female / N male	762 - 870	> 60	1.30 : 1	0.8
RMFI.454Nf	N female	450 - 454	> 60	1.30 : 1	2.5
RMFI.470Nf	N female	430 - 470	> 73	1.25 : 1	2.0
RMFI.698-716Nf	N female	698 - 716	> 50	1.28 : 1	0.8
RMFI.728-746Nf	N female	728 - 746	> 50	1.28 : 1	0.8
RMFI.746-775Nf	N female	746 - 775	> 50	1.28 : 1	0.8
RMFI.776-805Nf	N female	776 - 805	> 50	1.28 : 1	0.8
RMFI.915Nf	N female	890 - 915	> 50	1.30 : 1	0.7
RMFI.960Nf	N female	925 - 960	> 65	1.30 : 1	2.1
RMFI.1785Nf	N female	1710 - 1785	> 50	1.40 : 1	1.6
RMFI.2498Nf	N female	2398 - 2498	> 60	1.40 : 1	0.3
RMFI.2700Nf	N female	2200 - 2700	> 45	1.50 : 1	1.0
RMFI.3800Nf	N female	3400 - 3800	> 80	1.32 : 1	1.5

2.92mm

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	REJECTION (dB)	VSWR (max)	INSERTION LOSS (dB max)
AN14145	2.92 male/2.92 female	DC - 7500	-	1.20 : 1	1.0

1.85mm

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	REJECTION (dB)	VSWR (max)	INSERTION LOSS (dB max)
AN44146	1.85 male/1.85 female	DC - 40000	-	1.70 : 1	3.7

Notes:

- Alternate connectors available upon request
- Additional frequencies/bandwidths available upon request

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DIPLEXERS

FEATURES

- High isolation
- Coaxial or tab interface
- Frequency coverage to 18GHz
- Impedance is 50 Ω
- Operating temperature range -35ºC to +80ºC
- Power handling is 100W average.
- Case material is either silver, iridite or painted aluminum alloy
- Tuneable versions available
- Custom development welcome

SMA

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	REJECTION (dB)	VSWR (max)	INSERTION LOSS (dB max)
RMDI.1880Sf	SMA female	1710 - 1880	>70	1.20 : 1	1.0
RMDI.1990Sf	SMA female	1850 - 1990	>70	1.20 : 1	1.0

TYPE N

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	REJECTION (dB)	VSWR (max)	INSERTION LOSS (dB max)
RMDU.698-746Nf	N female	Uplink 698 - 716 Downlink 728 - 746	>60	1.28 : 1	1.2
RMDU.746-786Nf	N female	746 - 786	>60	1.30 : 1	1.2
RMDU.746-805Nf	N female	Uplink 776 - 805 Downlink 746 - 775	>60	1.28 : 1	1.2
RMDU.791-862Nf	N female	Uplink 791 - 821 Downlink 832 - 862	>60	1.30 : 1	1
RMDU.824-894Nf	N female	Uplink 824 - 849 Downlink 869 - 894	>60	1.30 : 1	1
RMDI.921Nf	N female	862 - 921	>80	1.20 : 1	1.1
RMDI.960Nf	N female	870 - 960	>60	1.20 : 1	2.3
RMDU.880-960Nf	N female	Uplink 880 - 915 Downlink 925 - 960	>60	1.30 : 1	1
RMDU.1427-1500Nf	N female	Uplink 1427 - 1452 Downlink 1475 - 1500	>55	1.40 : 1	1
RMDU.1710-1880Nf	N female	Uplink 1710 - 1785 Downlink 1805 - 1880	>55	1.15 : 1	0.5
RMDU.1850-1990Nf	N female	Uplink 1850 - 1910 Downlink 1930 - 1990	>50	1.40 : 1	1
RMDU.1710-2155Nf	N female	Uplink 1710 - 1755 Downlink 2110 - 2155	>50	1.40 : 1	1

DIPLEXERS

TYPE N (cont.)

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	REJECTION (dB)	VSWR (max)	INSERTION LOSS (dB max)
RMDU.2170Nf	N female	1710 - 2170	>60	1.50 : 1	1.2
RMDU.1710-2170Nf	N female	Uplink 1710 - 1770 Downlink 2110 - 2170	>50	1.40 : 1	1
RMDU.1920-2170Nf	N female	Uplink 1920 - 1980 Downlink 2110 - 2170	>50	1.40 : 1	1
RMDI.2170Nf	N female	1920 - 2170	>75	1.40 : 1	1.0
RMDU.1700-2190Nf	N female	Uplink 1700 - 1790 Downlink 2100 - 2190	>50	1.40 : 1	1
RMDU.2500-2690Nf	N female	Uplink 2500 - 2570 Downlink 2620 - 2900	>40	1.25 : 1	1.2
RMDU.2500-2900Nf	N female	Uplink 2500 - 2570 Downlink 2620 - 2900	>40	1.33 : 1	1.2
RMDI.3800Nf	N female	3400 - 3800	>80	1.32 : 1	1.5

7/16

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	REJECTION (dB)	VSWR (max)	INSERTION LOSS (dB max)
RMDU.2170716f	7/16 female	1719 - 2170	>60	1.50 : 1	1.2

Notes:

- Alternate connector options are available upon request
- Additional frequencies/bandwidths available upon request

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FIXED ATTENUATORS

FEATURES

- Attenuation values available to 60dB
- Frequency coverage to 40GHz
- Round or rectangular housing
- Operating temperature range -35ºC to +80ºC
- Case material is either stainless steel passivate, nickel plated aluminum alloy or gold plated brass
- Custom development welcome

SMA

MODEL NUMBER	FREQUENCY (MHz)	ATTENUATION (dB max)	POWER (W)(avg/pk)	IMPEDANCE (Ω)	VSWR (max)
RMAT30.18000SMAmf	DC - 18000	30 +/- 0.5	2 / 5	50	1.20 : 1
RMAT20.18000SMAmf	DC - 18000	20 +/- 0.5	2 / 5	50	1.25 : 1
RMAT10.18000SMAmf	DC - 18000	10 +/- 0.3	2 / 5	50	1.20 : 1
RMAT6.18000SMAmf	DC - 18000	6 +/- 0.3	2 / 5	50	1.20 : 1
RMAT5.18000SMAmf	DC - 18000	5 +/- 0.3	2 / 5	50	1.20 : 1
RMAT3.18000SMAmf	DC - 18000	3 +/- 0.3	2 / 5	50	1.20 : 1
RMAT1.18000SMAmf	DC - 18000	1 +/- 0.3	2 / 5	50	1.20 : 1
RMAT30.8000SMAmf10	DC - 8000	30 +/- 1	10 / 1000	50	1.30 : 1
RMAT20.8000SMAmf10	DC - 8000	20 +/- 1	10 / 1000	50	1.30 : 1
RMAT10.8000SMAmf10	DC - 8000	10 +/- 1	10 / 1000	50	1.30 : 1
RMAT10.4000SMAmf	DC - 4000	10 +/- 0.3	2 / 5	50	1.20 : 1
RMAT3.4000SMAmf	DC - 4000	3 +/- 0.3	2 / 5	50	1.20 : 1
RMAT40.3000SMAmf	DC - 3000	40 +/- 0.5	1 / 2	50	1.15 : 1
RMAT30.3000SMAmf25	DC - 3000	30 +/- 1	25 / 50	50	1.25 : 1
RMAT30.3000SMAmf	DC - 3000	30 +/- 0.5	1 / 2	50	1.15 : 1
RMAT20.3000SMAmf25	DC - 3000	20 +/- 1	25 / 50	50	1.25 : 1
RMAT20.3000SMAmf	DC - 3000	20 +/- 0.7	1 / 2	50	1.15 : 1
RMAT15.3000SMAmf	DC - 3000	15 +/- 0.5	1 / 2	50	1.15 : 1
RMAT12.3000SMAmf	DC - 3000	12 +/- 0.5	1 / 2	50	1.15 : 1
RMAT10.3000SMAmf25	DC - 3000	10 +/- 1	25 / 50	50	1.25 : 1
RMAT10.3000SMAmf	DC - 3000	10 +/- 0.5	1 / 2	50	1.15 : 1
RMAT6.3000SMAmf	DC - 3000	6 +/- 0.5	1 / 2	50	1.15 : 1
RMAT3.3000SMAmf	DC - 3000	3 +/- 0.5	1 / 2	50	1.15 : 1
RMAT2.3000SMAmf	DC - 3000	2 +/- 0.5	1 / 2	50	1.15 : 1
RMAT1.5.3000SMAmf	DC - 3000	1.5 +/- 0.5	1 / 2	50	1.15 : 1
RMAT1.3000SMAmf	DC - 3000	1.0 +/- 0.5	1 / 2	50	1.15 : 1
RMAT0.5.3000SMAmf	DC - 3000	0.5 +/- 0.5	1 / 2	50	1.15 : 1

BNC

MODEL NUMBER	FREQUENCY (MHz)	ATTENUATION (dB max)	POWER (W)(avg/pk)	IMPEDANCE (Ω)	VSWR (max)
RMAT3.3000BNCmf75R	DC - 3000	3 +/- 0.75	1 / 2	75	1.50 : 1
RMAT6.1500BNCmf	DC - 1500	6 +/- 1	2 / 4	50	1.20 : 1

FIXED ATTENUATORS

TYPE N

MODEL NUMBER	FREQUENCY (MHz)	ATTENUATION (dB max)	POWER (W)(avg/pk)	IMPEDANCE (Ω)	VSWR (max)
RMATXX.18000Nmf	DC - 18000	1 - 30	10 / 100	50	1.50 : 1
RMAT50.6000Nmf	DC - 6000	50 +/- 0.7	10 / 100	50	1.50 : 1
RMAT40.6000Nmf	DC - 6000	40 +/- 0.7	10 / 100	50	1.50 : 1
RMAT30.6000Nmf	DC - 6000	30 +/- 0.7	10 / 100	50	1.50 : 1
RMAT60.4000Nmf	DC - 4000	60 +/- 0.7	10 / 100	50	1.50 : 1
RMAT60.3000Nmf100	DC - 3000	60 +/- 2.0	10 / 100	50	1.30 : 1
RMAT40.3000Nmf	DC - 3000	40 +/- 0.6	5 / 10	50	1.20 : 1
RMAT30.3000Nmf50	DC - 3000	30 +/- 1	50 / 100	50	1.25 : 1
RMAT30.3000Nmf25	DC - 3000	30 +/- 1	25 / 50	50	1.25 : 1
RMAT30.3000Nmf	DC - 3000	30 +/- 0.6	5 / 10	50	1.20 : 1
RMAT20.3000Nmf50	DC - 3000	20 +/- 1	50 / 100	50	1.25 : 1
RMAT20.3000Nmf25	DC - 3000	20 +/- 1	25 / 50	50	1.25 : 1
RMAT20.3000Nmf	DC - 3000	20 +/- 0.6	5 / 10	50	1.20 : 1
RMAT15.3000Nmf	DC - 3000	15 +/- 0.6	5 / 10	50	1.20 : 1
RMAT10.3000Nmf50	DC - 3000	10 +/- 1	50 / 100	50	1.25 : 1
RMAT10.3000Nmf25	DC - 3000	10+/- 1	25 / 50	50	1.25 : 1
RMAT10.3000Nmf	DC - 3000	10 +/- 0.6	5 / 10	50	1.20 : 1
RMAT6.3000Nmf	DC - 3000	6 +/- 0.6	5 / 10	50	1.20 : 1
RMAT6.3000Nmf75	DC - 3000	5.7 +/- 0.15	0.5 / 1	75	1.50 : 1
RMAT2.3000Nmf	DC - 3000	2 +/- 0.6	5 / 10	50	1.20 : 1
RMAT1.3000Nmf	DC - 3000	1 +/- 0.6	5 / 10	50	1.20 : 1
RMAT30.2500Nmf	DC - 2500	30 +/- 1.0	100 / 1000	50	1.15 : 1

3.5mm

MODEL NUMBER	FREQUENCY (MHz)	ATTENUATION (dB max)	POWER (W)(avg/pk)	IMPEDANCE (Ω)	VSWR (max)
RMAT6.30000.35mf	DC - 30000	6 +/- 1	1 / 2	50	1.20 : 1
RMAT3.30000.35mf	DC - 30000	3 +/- 1	1 / 2	50	1.20 : 1

2.92mm

MODEL NUMBER	FREQUENCY (MHz)	ATTENUATION (dB max)	POWER (W)(avg/pk)	IMPEDANCE (Ω)	VSWR (max)
RMAT30.40000.292mf	DC - 40000	30 +/- 1	1 / 10	50	1.40 : 1
RMAT20.40000.292mf	DC - 40000	20 +/- 1	1 / 10	50	1.40 : 1
RMAT10.40000.292mf	DC - 40000	10 +/- 0.8	1 / 10	50	1.40 : 1

Notes:

- Incremental values available upon request. Adjust P/N by inserting value at xx; “RMATxx.3000”
- Alternate connector options are available upon request

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TERMINATIONS

FEATURES

- Power handling from 0.5 to 250W
- Frequency coverage to 50GHz
- Custom development welcome

SMA

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	POWER (W)(max)	IMPEDANCE (Ω)	VSWR (max)
RMTE.6000Sm.1	SMA male	DC – 6000	1	50	1.15 : 1
RMTE.8000Sf1	SMA female	DC - 8000	1	50	1.15 : 1
RMTE.8000Sm1	SMA male	DC - 8000	1	50	1.15 : 1
RMTE.18000Sm.05	SMA male	DC – 18000	0.5	50	1.15 : 1
RMTE.18000.Sm.1	SMA male	DC – 18000	1	50	1.15 : 1
RMTE.18000.Sf.1	SMA female	DC – 18000	1	50	1.15 : 1
RMTE.18000Sm.2	SMA male	DC – 18000	2	50	1.15 : 1
RMTE.27000Sm.1	SMA male	DC – 27000	1	50	1.15 : 1

TYPE N

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	POWER (W)(max)	IMPEDANCE (Ω)	VSWR (max)
RMTE.3000Nm.250	N male	DC - 3000	250	50	1.20 : 1
RMTE.3000Nf.250	N female	DC - 3000	250	50	1.20 : 1
RMTE.3000Nm.150	N male	DC - 3000	150	50	1.20 : 1
RMTE.3000Nf.150	N female	DC - 3000	150	50	1.20 : 1
RMTE.3000Nm.50	N male	DC – 3000	50	50	1.15 : 1
RMTE.3000Nm.25	N male	DC - 3000	25	50	1.20 : 1
RMTE.3000Nf.25	N female	DC - 3000	25	50	1.20 : 1
RMTE.3000Nm.10	N male	DC – 3000	10	50	1.15 : 1
RMTE.3000Nf.10	N female	DC – 3000	10	50	1.15 : 1
RMTE.5000Nm.20	N male	DC - 5000	20	50	1.20 : 1
RMTE.5000Nf.20	N female	DC - 5000	20	50	1.20 : 1
RMTE.6000Nm.2	N male	DC – 6000	2	50	1.20 : 1
RMTE.8000Nm.2	N male	DC – 8000	2	50	1.20 : 1
RMTE.12400Nm.2	N male	DC - 12400	2	50	1.20 : 1
RMTE.18000Nf.2	N female	DC – 18000	2	50	1.20 : 1
RMTE.18000Nm.2	N male	DC – 18000	2	50	1.20 : 1

BNC

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	POWER (W)(max)	IMPEDANCE (Ω)	VSWR (max)
RMTE75.1000Bm.5	BNC male	DC – 1000	5	75	1.20 : 1
RMTE.3000Bm10	BNC male	DC - 3000	10	50	1.15 : 1
RMTE.4000Bm.2	BNC male	DC – 4000	2	50	1.15 : 1
RMTE.4000Bf.2	BNC female	DC – 4000	2	50	1.15 : 1

7/16

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	POWER (W)(max)	IMPEDANCE (Ω)	VSWR (max)
RMTE.3000.716m.50	7/16 male	DC – 3000	50	50	1.15 : 1
RMTE.5000.716m.20	7/16 male	DC - 5000	20	50	1.20 : 1
RMTE.5000.716f.20	7/16 female	DC - 5000	20	50	1.20 : 1
RMTE.7500.716m.5	7/16 male	DC - 7500	5	50	1.15 : 1
RMTE.7500.716m.2	7/16 male	DC - 7500	2	50	1.20 : 1
RMTE.7500.716f.2	7/16 female	DC - 7500	2	50	1.20 : 1

TERMINATIONS

TNC

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	POWER (W)(max)	IMPEDANCE (Ω)	VSWR (max)
RMTE.11000TNCm.2	TNC male	DC - 11000	2	50	1.15 : 1

SMB

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	POWER (W)(max)	IMPEDANCE (Ω)	VSWR (max)
RMTE.4000SMBm.1	SMB male	DC - 4000	1	50	1.25 : 1

MCX

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	POWER (W)(max)	IMPEDANCE (Ω)	VSWR (max)
RMTE.6000MCXm.1	MCX male	DC - 6000	1	50	1.20 : 1

SSMA

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	POWER (W)(max)	IMPEDANCE (Ω)	VSWR (max)
RMTE.18000.SSMAm	SSMA male	DC - 18000	0.5	50	1.25 : 1
RMTE.18000.SSMAf	SSMA female	DC - 18000	0.5	50	1.25 : 1

2.4mm

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	POWER (W)(max)	IMPEDANCE (Ω)	VSWR (max)
RMTE.5000024m.1	2.4mm male	DC - 50000	1	50	1.30 : 1
RMTE.5000024f.1	2.4mm female	DC - 50000	1	50	1.30 : 1

2.92mm

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	POWER (W)(max)	IMPEDANCE (Ω)	VSWR (max)
RMTE.40000Km.1	2.92mm male	DC - 40000	1	50	1.25 : 1
RMTE.40000Kf.1	2.92mm female	DC - 40000	1	50	1.25 : 1

3.5mm

MODEL NUMBER	DESCRIPTION	FREQUENCY (MHz)	POWER (W)(max)	IMPEDANCE (Ω)	VSWR (max)
RMTE.33000.35m.1	3.5mm male	DC - 33000	1	50	1.25 : 1
RMTE.33000.35f.1	3.5mm female	DC - 33000	1	50	1.25 : 1

Notes:

- Add “C” suffix to MODEL NUMBER for 2” bead chain and eyelet option
- Alternate connector options are available upon request

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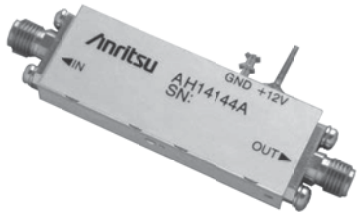
AMPLIFIERS & DRIVER MODULES

FEATURES

- Broadband width
- Lower power consumption
- Compact packages

MODEL NUMBER	DESCRIPTON	FREQUENCY (MHz)	VOLTAGE GAIN (dB typ)	NOISE FIGURE (dB typ)	GROUP DELAY (ps max)	RETURN LOSS IN/OUT (dB min)	SUPPLY VOLTAGE (V)
AH54147A	1.85mm female/female	2000 - 50000	20 +/- 0.5	-	+/- 25	1	+6 -5
AH44148A	1.85mm female/female	2000 - 43000	20 +/- 0.5	-	+/- 25	1	+6 -5
AH14149A	2.92mm female/female	DC - 10000	28 +/- 1.5	4	+/- 150	3/5	+5 -5

FREQUENCY MULTIPLIERS



FEATURES

- High Spurious
- Single Supply

MODEL NUMBER	DESCRIPTON	FREQUENCY (MHz)	POWER IN/OUT (dB typ)	SPURIOUS (dBc min)	GROUP DELAY (ps max)	VSWR IN/OUT (dB typ)	SUPPLY CURRENT (mA)
AH14144A	SMA female/female	95000 - 11500	+1 / +3	34	+/- 25	7 / 10	125

HIGH SPEED DIGITAL ICs

FEATURES

- Excellent performance
- InGaP/GaAs HBT Process
- RoHS Compliant

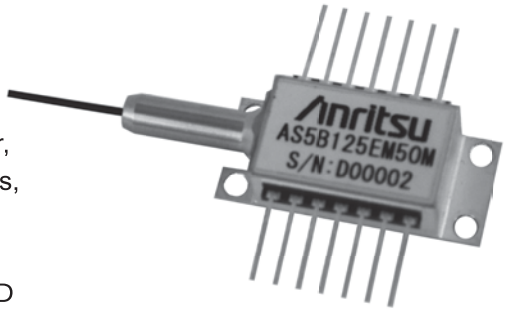
MODEL NUMBER	DESCRIPTON	BIT RATE/ FRE-QUENCY	SUPPLY VOLTAGE (V)	OUTPUT AMPLI-TUDE	PACKAGE SIZE (mm)
SG1G009P	16:1 multiplexer	0.1 - 12.5 Gbps	+3.3 / -5.2	1.1 Vpp	29x23x2.35
SG1G01P	1:16 demultiplexer	0.1 - 12.5 Gbps	+3.3 / -5.2	LVDS	29x23x2.35
SG1G25P	1:16 demultiplexer	0.1 - 14 Gbps	+3.3 / -5.2	LVDS	29x23x2.35
SG1G04P	clock selector	1 - 12.5 GHz	-5.0	0.9 Vpp	9.3x9.3x2.35
SG1G09P	1:2 clock branch	DC - 15 GHz	-5.2	0.9 Vpp	9.3x9.3x2.35
SG1G21P	1:4 clock branch	DC - 15 GHz	-5.0	0.7 Vpp	9.3x9.3x2.35
SG1G23P-01	differential amplifier	DC - 14 GHz	-5.0	0.5 Vpp	4x4x0.75
SG1G27P	Ex OR	DC - 12.5 GHz	-5.0	0.8 Vpp	4x4x0.75

OPTICAL LASER DIODES

Based on our contractual relationship as North American Channel Partner for the **Anritsu** optical diode product line, we are pleased to offer the following high quality & performance standard product families. We also welcome the opportunity to review and discuss your custom development efforts as required.

SUPER-LUMINESCENT LASER DIODE TYPE SLD SERIES

Super-luminescent Diodes bridge the gap between Laser Diodes and Light Emitting Diodes



Like an LD, the SLD provides a high optical output power, Anritsu's SLD feature broadband spectrum characteristics, typically found only in LEDs, and a low coherence.
Our SLD features a low coherence length having a high intensity at a narrow radiation angle. This makes the SLD much easier to couple to a fiber for broad range of applictions.
SLDs are ideal for Optical Coherence Tomography, fiber sensors such as temperature and strain gauges, as well as applications in test and measurement instrumentation.

FEATURES

- PMF fiber coupled (AS8Y1100M30M and AS8A1123M30M)
- High optical output power
- Wide spectral half width
- Built-in monitor photo diode

SLD MODULE

MODEL NUMBER	DESCRIPTON	PACKAGE	OUTPUT POWER (mW/mA)	CENTER WAVELENGTH (nm)	SUPECTRAL WIDTH TYP (nm)	MAX TEMP (℃)
AS8K215GY30M	0.8um SLD CAN	CAN	6 / 120	830	15	70
AS8E210GP30M	0.8um SLD Module	Cylindrical	1.2 / 120	830	15	70
AS8B112G230M	0.8um SLD Module	Butterfly	2 / 120	830	14	70
AS8B115G230M	0.8um SLD Module	Butterfly	5 / 150	830	14	70
AS3B119GM10M	1.31um SLD Module	Butterfly	15 / 400	1310	55	75
AS5B125EM50M	1.55um SLD Module	Butterfly	25 / 500	1550	60	75
AS6B118GM50M	1.65um SLD Module	Butterfly	10 / 350	1650	70	75

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OPTICAL LASER DIODES

FABRI-PERROT LASER DIODE TYPE FP-LD SERIES

The AF4B Series Fabri-Perrot type are 1.48mm high power pumping laser diode modules designed for Erdoped optical amplifiers. Each laser is packaged in a 14-pin butterfly package with optical isolator, monitor photodiode, and thermo-cooler.

Applicaitons include submarine terrestial WDM networks and FTTx/CATV systems.

FEATURES

- High optical output power (120-400 mW)
- Low power consumption
- Built-in optical isolator
- Internal monitor PD, thermo-electric cooler, and thermistor
- SMF or PMF fiber out pigtail type

1.48µm FP-LD MODULE

MODEL NUMBER WITH SMF	MODEL NUMBER WITH PMF	DESCRIPTON	PACKAGE	OUTPUT POWER (mW/mA)	CENTER WAVE-LENGTH (nm)	SPECTRAL WIDTH TYP (nm)	MAX TEMP (℃)
AF4B112AA75L	AF4B112AD75L	1.48um LD type A	Butterfly	120 / 500	1475 +/- 15	4	75
AF4B114AA75L	AF4B114AD75L	1.48um LD type A	Butterfly	140 / 550	1475 +/- 15	4	75
AF4B116AA75L	AF4B116AD75L	1.48um LD type A	Butterfly	160 / 600	1475 +/- 15	4	75
AF4B118AA75L	AF4B118AD75L	1.48um LD type A	Butterfly	180 / 600	1475 +/- 15	4	75
AF4B120EA75L	AF4B120ED75L	1.48um LD type B	Butterfly	200 / 700	1475 +/- 15	5	70
AF4B122EA75L	AF4B122ED75L	1.48um LD type B	Butterfly	220 / 700	1475 +/- 15	5	70
AF4B125EA75L	AF4B125ED75L	1.48um LD type B	Butterfly	250 / 800	1475 +/- 15	5	70
AF4B117EA75L	AF4B117ED75L	1.48um LD type B	Butterfly	170 / 600	1475 +/- 15	5	70
AF4B118EA75L	AF4B118ED75L	1.48um LD type B	Butterfly	180 / 600	1475 +/- 15	5	70
AF4B130CA75L	AF4B130CD75L	1.48um LD type C	Butterfly	300 / 1100	1475 +/- 15	5	70
AF4B135CA75L	AF4B135CD75L	1.48um LD type C	Butterfly	350 / 1400	1475 +/- 15	5	70
AF4B140CA75L	AF4B140CD75L	1.48um LD type C	Butterfly	400 / 1400	1475 +/- 15	5	70
AF4B150FA75L	AF4B150FD75L	1.48um LD type D	Butterfly	500 / 1800	1475 +/- 15	5	70
AF4B142FA75L	AF4B142FD75L	1.48um LD type D	Butterfly	420 / 1800	1475 +/- 15	5	70
AF4B146FA75L	AF4B146FD75L	1.48um LD type D	Butterfly	460 / 1800	1475 +/- 15	5	70
AF4Y108GA85J	-	Uncooled Type	Cylindrical	80 / 400	1478 - 1490	-	70

OPTICAL LASER DIODES (cont.)

FABRI-PERROT LASER DIODE TYPE FP-LD SERIES (cont.)

14xxnm FP-LD with FBG MODULE

MODEL NUMBER WITH PMC FIBER	DESCRIPTON	PACKAGE	OUTPUT POWER (mW/mA)	CENTER WAVE-LENGTH (nm)	SPECTRAL WIDTH TYP (nm)	MAX TEMP (℃)
AF4B222CUxxxF	1.4um FP-LD	Butterfly	220 / 800	1420 - 1500	max 3.5	70
AF4B226CUxxxF	1.4um FP-LD	Butterfly	260 / 950	1420 - 1500	max 3.5	70
AF4B230CUxxxF	1.4um FP-LD	Butterfly	300 / 1100	1420 - 1500	max 3.5	70
AF4B236FUxxxF	1.4um FP-LD	Butterfly	360 / 1400	1420 - 1500	max 3.5	70
AF4B240FUxxxF	1.4um FP-LD	Butterfly	400 / 1400	1420 - 1500	max 3.5	70

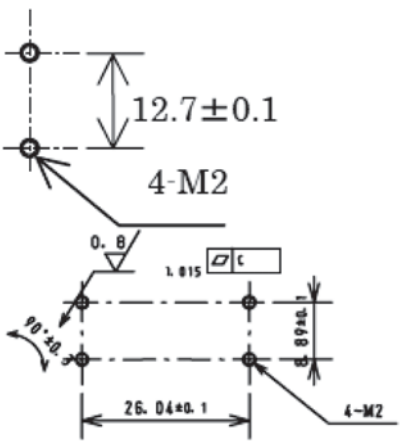
Note: xxx = Desired Wavelength (0.5nm spacing available)

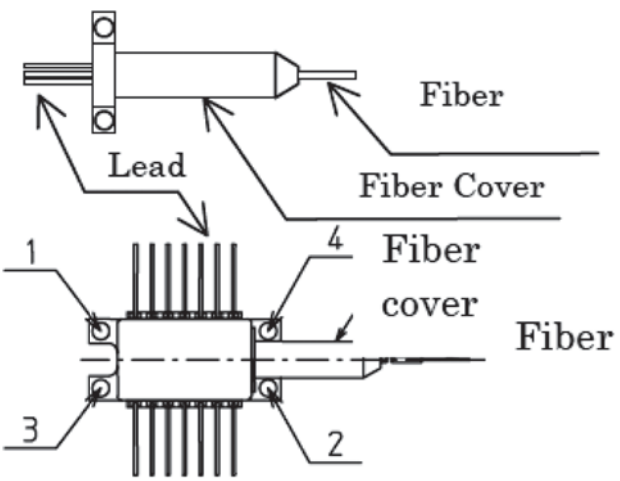
1310/1550 nm FP-LD MODULE

MODEL NUMBER WITH PMC FIBER	DESCRIPTON	PACKAGE	OUTPUT POWER (mW/mA)	CENTER WAVE-LENGTH (nm)	SPECTRAL WIDTH TYP (nm)	MAX TEMP (℃)
AF3B310DM10L	1.31um LD	Butterfly	100 / 500	1310 ± 15	4	70
AF3B150FM20M	1.31um LD	Butterfly	500 / 1800	1320 ± 20	5	70
AF5B310DM50L	1.55um LD	Butterfly	450 / 1800	1550 ± 15	5	70
AF5B145FM50M	1.55um LD	Butterfly	450 / 1800	1550 ± 20	5	70

Contact us for detailed installation instructions and precautions.

Suggested Mounting Layouts for Cylindrical & Butterfly Packages;





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ADAPTORS

FEATURES

- In and between series
- Frequency coverage to 60GHz
- 50 or 75 Ω impedance
- Custom development and variants welcome

QUICK CONNECT

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.716PNmf	7/16 male push-on / N female	DC - 5	50	1.12 : 1
RMAD.IS.NNPfm	N female / push-on N male	DC - 18	50	1.15 : 1
RMAD.IS.SMASMAPfmL	SMA female/push-on SMA male (limited detent)	DC - 27	50	DC-18 GHz = 1.10:1 >18-27 GHz = 1.20:1
RMAD.IS.SMASMAPfmF	SMA female / push-on SMA male (full detent)	DC - 27	50	DC-18 GHz = 1.18:1 >18-27 GHz = 1.25:1

SMA IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.IS.SMAmfR	SMA male / SMA female 90º	DC – 12	50	1.05 + 0.01 f (GHz)
RMAD.IS.SMAmmR	SMA male / SMA male 90º	DC – 12	50	1.05 + 0.01 f (GHz)
RMAD.IS.SMAffR	SMA female / SMA female 90º	DC – 12	50	1.05 + 0.01 f (GHz)
RMAD.IS.SMAmm	SMA male / SMA male	DC – 18	50	1.05 + 0.005 f (GHz)
RMAD.IS.SMAff	SMA female / SMA female bullet	DC – 18	50	1.05 + 0.005 f (GHz)
RMAD.IS.SMAffBH	SMA female / SMA female bulkhead	DC – 18	50	1.05 + 0.005 f (GHz)
RMAD.IS.SMAmfBH	SMA male / SMA female bulkhead	DC - 18	50	1.05 + 0.005 f (GHz)
RMAD.IS.SMAffBW	SMA fem/SMA fem bulkhead w/o ring	DC – 18	50	1.05 + 0.005 f (GHz)
RMAD.IS.SMAmf	SMA male / SMA female	DC – 18	50	1.05 + 0.005 f (GHz)
RMAD.IS.SMAff4	SMA female / SMA female4-hole flange	DC – 18	50	1.05 + 0.005 f (GHz)
RMAD.IS.SMAfffT	SMAfemale/SMAfemale/SMAfemale Tee	DC - 18	50	1.20 : 1
RMAD.IS.SMA27ff	SMA female / SMA female	DC – 27	50	1.15 : 1
RMAD.IS.SMA27mm	SMA male / SMA male	DC – 27	50	1.15 : 1
RMAD.IS.SMA27mf	SMA male / SMA female	DC – 27	50	1.15 : 1

SMB IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.IS.SMBmm	SMB male / SMB male	DC - 4	50	1.15 : 1
RMAD.IS.SMBff	SMB female / SMB female	DC - 4	50	1.15 : 1
RMAD.IS.SMBfmfT	SMB female/SMB male/SMB female Tee	DC - 4	50	1.25 : 1
RMAD.IS.SMBmf	SMB male / SMB female	DC - 4	50	1.15 : 1

7/16 IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.IS.716mm	7/16 male / 7/16 male	DC - 6	50	1.20 : 1
RMAD.IS.716ff	7/16 female / 7/16 female	DC - 6	50	1.20 : 1
RMAD.IS.716mf	7/16 male / 7/16 female	DC - 6	50	1.20 : 1
RMAD.IS.716ff4	7/16 female / 7/16 female 4-hole flange	DC - 6	50	1.20 : 1

ADAPTORS

TYPE N IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD75.IS.Nmm	N male / N male	DC – 1.5	75	1.05 + 0.005 f (GHz)
RMAD75.IS.Nff	N female / N female bullet	DC – 1.5	75	1.05 + 0.005 f (GHz)
RMAD.IS.Nff4HF	N female / N female 4-hole flange	DC – 10	50	1.05 + 0.005 f (GHz)
RMAD.IS.Nmm	N male / N male	DC – 12	50	1.05 + 0.005 f (GHz
RMAD.IS.Nff	N female / N female bullet	DC – 12	50	1.05 + 0.005 f (GHz)
RMAD.IS.NffB	N female / N female bulkhead	DC – 12	50	1.05 + 0.005 f (GHz)
RMAD.IS.Nmf	N male / N female	DC – 12	50	1.05 + 0.005 f (GHz)
RMAD.IS.NmfR	N male / N female 90º	DC – 12	50	1.05 + 0.005 f (GHz)
RMAD.IS.NfmfT	N female / N male / N female Tee	DC - 12	50	1.40 : 1
RMAD.IS.NfffT	N female / N female / N female Tee	DC - 12	50	1.40 : 1
RMAD.IS.N18ff	N female / N female	DC - 18	50	1.15 : 1
RMAD.IS.N18mf	N male / N female	DC - 18	50	1.15 : 1
RMAD.IS.N18mm	N male / N male	DC - 18	50	1.15 : 1
RMAD.IS.N18ffBH	N female / N female bulkhead	DC - 18	50	1.15 : 1
RMAD.IS.N18ff4HF	N female / N female 4-hole flange	DC - 18	50	1.15 : 1

TNC IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD75.IS.TNCmm	TNC male / TNC male	DC - 1	75	1.20 : 1
RMAD.IS.TNCmm	TNC male / TNC male	DC - 11	50	1.20 : 1
RMAD.IS.TNCff	TNC female / TNC female	DC - 11	50	1.20 : 1
RMAD.IS.TNCfff	TNC female / TNC female Tee	DC - 11	50	1.50 : 1
RMAD.IS.TNCffB	TNC female / TNC female bulkhead	DC – 11	50	1.20 : 1
RMAD.IS.TNCff4	TNC female / TNC female 4-hole flange	DC - 11	50	1.20 : 1
RMAD.IS.TNCmf	TNC male / TNC female	DC - 11	50	1.20 : 1
RMAD.IS.TNCmfR	TNC male / TNC female 90º	DC - 11	50	1.20 : 1
RMAD.IS.TNCfmfT	TNC female/TNC male/TNC female Tee	DC - 11	50	1.50 : 1

RPTNC IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.IS.RPTNCmfRA	RPTNC male / RPTNC female 90º	DC – 11	50	1.20 : 1

MCX IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.IS.MCXff	MCX female / MCX female	DC – 6	50	1.20 : 1
RMAD.IS.MCXmm	MCX male / MCX male	DC – 6	50	1.20 : 1

1.0/2.3 IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD75.IS.1023mm	1.0/2.3 male / 1.0/2.3 male	DC - 2	75	1.20 : 1
RMAD75.IS.1023ff	1.0/2.3 female / 1.0/2.3 female	DC - 2	75	1.20 : 1
RMAD75.IS.1023mf	1.0/2.3 male / 1.0/2.3 female	DC - 2	75	1.20 : 1

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BNC IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD75.IS.BNCmm	BNC male / BNC male	DC – 1	75	1.20 : 1
RMAD75.IS.BNCff	BNC female / BNC female	DC – 1	75	1.20 : 1
RMAD75.IS.BNCffB	BNC female / BNC female bulkhead	DC – 1	75	1.20 : 1
RMAD75.IS.BNCmf	BNC male / BNC female	DC – 1	75	1.20 : 1
RMAD75.IS.BNCmfR	BNC male / BNC female 90°	DC – 1	75	1.20 : 1
RMAD75.IS.BNCfmfT	BNC female/BNC male/BNC female Tee	DC – 1	75	1.50 : 1
RMAD.IS.BNCmm	BNC male / BNC male	DC – 4	50	1.20 : 1
RMAD.IS.BNCff	BNC female / BNC female	DC – 4	50	1.20 : 1
RMAD.IS.BNCffB	BNC female / BNC female bulkhead	DC – 4	50	1.20 : 1
RMAD.IS.BNCmf	BNC male / BNC female	DC – 4	50	1.20 : 1
RMAD.IS.BNCmfR	BNC male / BNC female 90°	DC – 4	50	1.20 : 1
RMAD.IS.BNCfmfT	BNC female/BNC male/BNC female Tee	DC – 4	50	1.50 : 1

SMP IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.IS.SMPff	SMP female / SMP female	DC - 40	50	1.70 : 1

1.6/5.6 IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD75.IS.1656mm	1.6/5.6 male / 1.6/5.6 male	DC - 2	75	1.20 : 1
RMAD75.IS.1656ff	1.6/5.6 female / 1.6/5.6 female	DC - 2	75	1.20 : 1
RMAD75.IS.1656mf	1.6/5.6 male / 1.6/5.6 female	DC - 2	75	1.20 : 1

2.4mm IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.IS.24ff	2.4 female / 2.4 female	DC - 50	50	1.20 : 1
RMAD.IS.24mf	2.4 male / 2.4 female	DC - 50	50	1.15 : 1
RMAD.IS.24mm	2.4 male / 2.4 male	DC - 50	50	1.15 : 1
RMAD.IS.24ff4HF	2.4 female / 2.4 female 4-hole flange	DC - 50	50	1.20 : 1

2.92mm IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.IS.292mfBH	2.92 male / 2.92 female bulkhead	DC - 40	50	1.15 : 1
RMAD.IS.292ff	2.92 female / 2.92 female	DC - 40	50	1.20 : 1
RMAD.IS.292mf	2.92 male / 2.92 female	DC - 40	50	1.15 : 1
RMAD.IS.292mm	2.92 male / 2.92 male	DC - 40	50	1.15 : 1
RMAD.IS.292ff4HF	2.92 female / 2.92 female 4-hole flange	DC - 40	50	1.20 : 1
RMAD.IS.292mfRA	2.92 male / 2.92 female right angle	DC - 40	50	1.40 : 1

ADAPTORS

3.5mm IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.IS.35ff	3.5 female / 3.5 female	DC - 33	50	1.15 : 1
RMAD.IS.35mf	3.5 male / 3.5 female	DC - 33	50	1.15 : 1
RMAD.IS.35mm	3.5 male / 3.5 male	DC - 33	50	1.15 : 1

1.85mm IN-SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.IS.185ff	1.85 female / 1.85 female	DC - 65	50	1.30 : 1
RMAD.IS.185mf	1.85 male / 1.85 female	DC - 65	50	1.30 : 1
RMAD.IS.185mm	1.85 male / 1.85 male	DC - 65	50	1.30 : 1

2.92mm / 2.4mm BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.29224ff	2.92 female / 2.4 female	DC - 40	50	1.20 : 1
RMAD.BS.29224mf	2.92 male / 2.4 female	DC - 40	50	1.15 : 1
RMAD.BS.29224fm	2.92 female / 2.4 male	DC - 40	50	1.15 : 1
RMAD.BS.29224mm	2.92 male / 2.4 male	DC - 40	50	1.15 : 1

3.5mm / 2.92mm BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.35292ff	3.5 female / 2.92 female	DC - 33	50	1.15 : 1
RMAD.BS.35292mf	3.5 male / 2.92 female	DC - 33	50	1.15 : 1
RMAD.BS.35292fm	3.5 female / 2.92 male	DC - 33	50	1.15 : 1
RMAD.BS.35292mm	3.5 male / 2.92 male	DC - 33	50	1.15 : 1
RMAD.BS.35292ff4HF	3.5 female / 2.92 female 4-hole flange	DC - 33	50	1.15 : 1

3.5mm / 2.4mm BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.3524ff	3.5 female / 2.4 female	DC - 33	50	1.15 : 1
RMAD.BS.3524mf	3.5 male / 2.4 female	DC - 33	50	1.15 : 1
RMAD.BS.3524fm	3.5 female / 2.4 male	DC - 33	50	1.15 : 1
RMAD.BS.3524mm	3.5 male / 2.4 male	DC - 33	50	1.15 : 1
RMAD.BS.3524ff4HF	3.5 female / 2.4 female 4-hole flange	DC - 33	50	1.15 : 1

2.92mm / SMA BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.292SMA27ff	2.92 female / SMA female	DC - 27	50	1.15 : 1
RMAD.BS.292SMA27fm	2.92 female / SMA male	DC - 27	50	1.15 : 1
RMAD.BS.292SMA27mf	2.92 male / SMA female	DC - 27	50	1.15 : 1
RMAD.BS.292SMA27mm	2.92 male / SMA male	DC - 27	50	1.15 : 1
RMAD.BS.292SMA2727ff4HF	2.92 female / SMA female 4-hole flange	DC - 27	50	1.15 : 1

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2.4mm / SMA BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.24SMA27ff	2.4 female / SMA female	DC - 27	50	1.15 : 1
RMAD.BS.24SMA27mf	2.4 male / SMA female	DC - 27	50	1.15 : 1
RMAD.BS.24SMA27fm	2.4 female / SMA male	DC - 27	50	1.15 : 1
RMAD.BS.24SMA27mm	2.4 male / SMA male	DC - 27	50	1.15 : 1
RMAD.BS.24SMA27ff4HF	2.4 female / SMA female 4-hole flange	DC - 27	50	1.15 : 1

TNC / SMA BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.SMATNCff	SMA female / TNC female	DC - 10	50	1.15 : 1
RMAD.BS.SMATNCmm	SMA male / TNC male	DC - 10	50	1.15 : 1
RMAD.BS.SMATNCmm4	SMA male / TNC male 4-hole flange	DC - 10	50	1.15 : 1
RMAD.BS.SMATNCmf	SMA male / TNC female	DC - 10	50	1.15 : 1
RMAD.BS.SMATNCfm	SMA female / TNC male	DC - 10	50	1.15 : 1
RMAD.BS.TNCSMA27ff	TNC female / SMA female	DC - 18	50	1.15 : 1
RMAD.BS.TNCSMA27mf	TNC male / SMA female	DC - 18	50	1.15 : 1
RMAD.BS.TNCSMA27fm	TNC female / SMA male	DC - 18	50	1.15 : 1
RMAD.BS.TNCSMA27mm	TNC male / SMA male	DC - 18	50	1.15 : 1
RMAD.BS.TNCSMA27ff4HF	TNC female / SMA female 4-hole flange	DC - 18	50	1.15 : 1

7mm / 3.5mm BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.735ff	7 mm female / 3.5 female	DC - 18	50	1.00 : 1
RMAD.BS.735fm	7mm female / 3.5 male	DC - 18	50	1.15 : 1

7mm / N BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.7N18ff	7mm female / N female	DC - 18	50	1.15 : 1
RMAD.BS.7N18fm	7mm female / N male	DC - 18	50	1.15 : 1

N / 3.5mm BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.N1835ff	N female / 3.5 female	DC - 18	50	1.15 : 1
RMAD.BS.N1835mf	N male / 3.5 female	DC - 18	50	1.15 : 1
RMAD.BS.N1835fm	N female / 3.5 male	DC - 18	50	1.15 : 1
RMAD.BS.N1835mm	N male / 3.5 male	DC - 18	50	1.15 : 1

N / 2.92mm BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.N18292ff	N female / 2.92 female	DC - 18	50	1.15 : 1
RMAD.BS.N18292mf	N male / 2.92 female	DC - 18	50	1.15 : 1
RMAD.BS.N18292fm	N female / 2.92 male	DC - 18	50	1.15 : 1
RMAD.BS.N18292mm	N male / 2.92 male	DC - 18	50	1.15 : 1

ADAPTORS

N / 2.4mm BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.N1824ff	N female / 2.4 female	DC - 18	50	1.15 : 1
RMAD.BS.N1824mf	N male / 2.4 female	DC - 18	50	1.15 : 1
RMAD.BS.N1824fm	N female / 2.4 male	DC - 18	50	1.15 : 1
RMAD.BS.N1824mm	N male / 2.4 male	DC - 18	50	1.15 : 1

N / TNC BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.NTNCff4	N female / TNC female 4-hole flange	DC – 11	50	1.15 : 1
RMAD.BS.NTNCmf	N male / TNC female	DC - 11	50	1.15 : 1
RMAD.BS.NTNCmfRA	N male / TNC female 90º	DC - 11	50	1.20 : 1
RMAD.BS.N18TNCff	N female / TNC female	DC - 18	50	1.15 : 1
RMAD.BS.N18TNCmf	N male / TNC female	DC - 18	50	1.15 : 1
RMAD.BS.N18TNCfm	N female / TNC male	DC - 18	50	1.15 : 1
RMAD.BS.N18TNCmm	N male / TNC male	DC - 18	50	1.15 : 1

N / SMA BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.SNffB	SMA female / N female bulkhead	DC - 8	50	1.20 : 1
RMAD.BS.NSff4HF	N female / SMA female 4-hole flange	DC - 10	50	1.20 : 1
RMAD.BS.SMANmm	SMA male / N male	DC - 10	50	1.20 : 1
RMAD.BS.SMANmf	SMA male / N female	DC - 10	50	1.20 : 1
RMAD.BS.SMANfm	SMA female / N male	DC - 10	50	1.20 : 1
RMAD.BS.SMANff	SMA female / N female	DC - 10	50	1.20 : 1
RMAD.BS.SMANff4HF	SMA female / N female 4-hole flange	DC - 10	50	1.20 : 1
RMAD.BS.NRPSMAmm	N male / RPSMA male	DC - 10	50	1.30 : 1
RMAD.BS.NSffBa	N female / SMA female bulkhead	DC - 12	50	1.20 : 1
RMAD.BS.N18SMA27ff	N female / SMA female	DC - 18	50	1.15 : 1
RMAD.BS.N18SMA27mf	N male / SMA female	DC - 18	50	1.15 : 1
RMAD.BS.N18SMA27fm	N female / SMA male	DC - 18	50	1.15 : 1
RMAD.BS.N18SMA27mm	N male / SMA male	DC - 18	50	1.15 : 1
RMAD.BS.N18SMA27ff4HF	N female / SMA female 4-hole flange	DC - 18	50	1.15 : 1

N / 1.0/2.3 BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.N1023mf	N male / 1.0/2.3 female	DC - 10	50	1.25 : 1

SMA / 1.0/2.3 BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.1023SMAmf	1.0/2.3 male / SMA female	DC - 8	50	1.30 : 1
RMAD.BS.1023SMAfm	1.0/2.3 female / SMA male	DC - 8	50	1.30 : 1

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ADAPTORS

SMA / BNC BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.SMABNCff	SMA female / BNC female	DC - 6	50	1.05 + 0.005 f (GHz)
RMAD.BS.SMABNCmm	SMA male / BNC male	DC - 8	50	1.05 + 0.005 f (GHz)
RMAD.BS.SMABNCfm	SMA female / BNC male	DC - 8	50	1.05 + 0.005 f (GHz)
RMAD.BS.SMABNCmf	SMA male / BNC female	DC - 8	50	1.05 + 0.005 f (GHz)

SMA / MCX BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.SMAMCXfm	SMA female / MCX male	DC - 6	50	1.20 : 1

N / 7/16 BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.716Nmf	7/16 male / N female	DC - 5	50	1.20 : 1
RMAD.BS.N716mm	N male / 7/16 male	DC - 6	50	1.20 : 1
RMAD.BS.N716ff	N female / 7/16 female	DC - 6	50	1.20 : 1
RMAD.BS.N716mf	N male / 7/16 female	DC - 6	50	1.20 : 1
RMAD.BS.N716fm	N female / 7/16 male	DC - 6	50	1.20 : 1

N / BNC BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.NBNCmf	N male / BNC female	DC - 6	50	1.20 : 1
RMAD.BS.NBNCmm	N male / BNC male	DC - 6	50	1.20 : 1
RMAD.BS.NBNCfm	N female / BNC male	DC - 6	50	1.20 : 1
RMAD.BS.NBNCff	N female / BNC female	DC - 6	50	1.20 : 1

N / SMB BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.NSMBff4	N female / SMB female 4-hole flange	DC - 6	50	1.20 : 1

7/16 / SMA BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.716Sff	7/16 female / SMA female	DC - 6	50	1.2 : 1

SMA / FME BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.FMESMAfm-TGN	SMA male / FME female	DC - 3	50	1.3 : 1

ADAPTORS

MCX / MMCX BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.MCX.MMCXmm	MCX male / MMCX male	DC - 6	50	1.2 : 1

1.0/2.3, BNC, 1.6/5.6 BETWEEN SERIES

MODEL NUMBER	DESCRIPTION	FREQUENCY (GHz)	IMPEDANCE (Ω)	VSWR (max)
RMAD.BS.10231656xx	1.0/2.3, BNC, 1.6/5.6 - Any combination	DC - 2	75	1.20 : 1
RMAD.BS.1023BNCxx	1.0/2.3, BNC, 1.6/5.6 - Any combination	DC - 2	75	1.20 : 1
RMAD.BS.1656BNCxx	1.0/2.3, BNC, 1.6/5.6 - Any combination	DC - 2	75	1.20 : 1

Notes:

- We can provide any adaptor combination
- Please inquire for your exact needs
- Custom adaptor kits available upon request

CREATE-AN-ADAPTOR

We can offer almost any combination of in or between series adaptors so use the following basic guidelines and ask us to quote, at which time formal P/N will be supplied.

P/N Example: RMAD.BS.SMABNCmmRA

Logic :

RMAD = base prefix for all adaptors
RMAD.BS = Series (in or between)
RMAD.BS.SMA = Connector Family 1
RMAD.BS.SMABNC = Connector Family 2
RMAD.BS.SMABNCm = Connector 1 gender
RMAD.BS.SMABNCmm = Connector 2 gender
RMAD.BS.SMABNCmmRA = Configuration (R/A, 4HF, BH)

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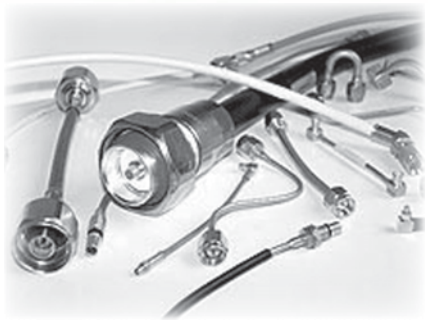
CABLE ASSEMBLY SOLUTIONS



Anchored by our strategic relationships with several global connector manufacturers, Response Microwave offers a complete line of high quality, cost effective cable assemblies for use in your commercial or military environment. From quick reaction prototypes to full rate production, we can service your complete cabling needs.

Our complete cable assembly capability includes everything from 0.047" semi rigid up through 1 5/8" corrugated. We offer coaxial impedance values at 50 and 75ohms as well as providing fiber optic, power and multi-stranded cable assemblies. Selection of the connector and cable depends on their mechanical and electrical compatibility. We will provide cable suggestions as required.

Custom variants are considered upon request. Please forward your specific requirements and we will respond with a price and technical quotation accordingly. Sketches or formal SCD's are always welcome.

GENERAL CONSIDERATIONS

ELECTRICAL

The operating **FREQUENCY**, **INSERTION LOSS**, **VSWR** and **POWER** requirements are key factors in determining your optimum assembly as cable and connector selection will be driven by these elements.

Other factors may be electrical length, phase or delay time, all of which are directly related/affected by the selected cables velocity of propagation and associated operating frequency.

MECHANICAL

There are several ways to define cable length based on specific application needs;

a) Overall = distance from connector end face to connector end face
b) Between Connectors = distance from back end of connector to back end of connector
c) Reference Plane = Distance from connector center line to connector center line

Unless specified otherwise, supplied cables will be based on overall length condition. In any case, specified standard tolerance will apply unless otherwise specified.

Pre-formed cables can be supplied upon receipt of your defined routing for required bends and shapes. Associated tolerances will be discussed during the quote phase and a mechanical drawing will be presented and/or agreed upon prior to build.

Connector definition is often overlooked but is an integral and important part of your assembly. Please be sure to advise the following elements relative to the required series of connector A and connector B of your assembly;

GENDER	**CONFIGURATION**
Male	Straight
Female	Right Angle
Reverse Polarity Male	Bulkhead
Reverse Polarity Female	Flanged (2 or 4 hole)

It is also important to specify required orientation of any D-flats and right angles of a given connector relative to the corresponding connector.

ENVIRONMENTAL

All cables are not created equally, so please make us aware of any special requirements based on the environment your cable will ultimately be exposed to so proper materials and conditioning can be considered.

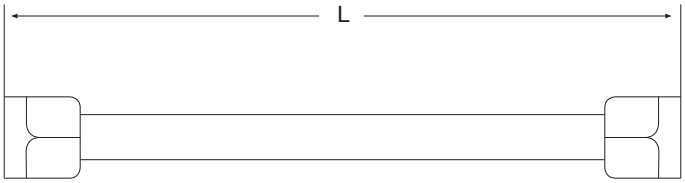
HOW TO SPECIFY YOUR CABLE ASSEMBLY

Be sure to define the following elements to insure an accurate quotation;

- Connector A + cable type + Connector B
- Cable length (overall or between connectors)
- Any specific electrical requirements (keys: frequency, phase, loss)
- Any specific environmental requirements (keys: temperature)
- Any specific mechanical requirements (keys: forming, flexibility, sleeving)
- Any specific marking/labeling requirements (keys: P/N, length, phase)

GENERAL NOTES

1. Standard length tolerance is +/-5%
2. Unless specified otherwise, length will be calculated as overall



CREATE-A-CABLE CABLE ASSEMBLY PART NUMBER SYSTEM

In order to facilitate description of your required cable, please use the following logic when requesting a quotation;

P/N Example: RMCA12.C402.SMANmfRABH

Logic :

RMCA = base prefix for all cables
RMCA12. = length in inches (12”)
RMCA12.C402. = cable type (conformable402)
RMCA12.C402.SMA = connector 1 (SMA)
RMCA12.C402.SMAN = connector 2 (type N)
RMCA12.C402.SMANm = gender of connector 1 (male)
RMCA12.C402.SMANmf = gender of connector 2 (female)
RMCA12.C402.SMANmfRA = configuration of connector 1 (right angle)
RMCA12.C402.SMANmfRABH = configuration of connector 2 (bulkhead)

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CABLE ASSEMBLY SOLUTIONS

Following are samples of **FIBER OPTIC, COAXIAL**, and **MULTI-PIN** product availability:

FIBER OPTIC

CONNECTOR SERIES	CABLE FAMILIES
SC	Single Mode
FC	Multi Mode
LC	Glass - 0.9mm/2mm/3mm
ST	Plastic - 2.2mm
MU	
E2000	
SMA (optic)	

COAXIAL

CONNECTOR SERIES - 50 ohm	CONNECTOR SERIES - 75 ohm	CABLE FAMILIES
SMA & (RP)	MCX	Semi-Rigid
SSMA	1.0/2.3	Conformable
SMB	1.6/5.6	Flexible
SMC	BNC	Corrugated
SMP	SMZ	Multi Strand
1.0/2.3	BT43	Bundled
MC CARD	N	
MCX	F	
MMCX		
2.92mm		
BMA		
BNC & (RP)		
N		
TNC & (RP)		
7/16		
4.1/9.5		
7/8 EIA		
U.FL		

MULTI-PIN

CONNECTOR SERIES	CABLE FAMILIES
D-SUB	Single Strand
DIN41612	Multi Strand
METRIC	Bundled

TESTCABLZ

TESTCABLZ - BLU402 CABLE ASSEMBLY

FEATURES

- Robust connector attachment
- RoHs compliant
- Frequency coverage DC-18GHz coverage
- 1.20 : 1 max VSWR
- Operating temperature range -55ºC to +200ºC

CABLE PARAMETERS

Electrical

ITEM	SPECIFICATION
Operating frequency	DC-18GHz
Dielectric resistance	1000MΩ/km minimum
Test voltage	5000 Vrms
Continuous working voltage	1900 Vrms
Velocity of propagation	69.5% nominal
Capacitance	29.9 pF/ft maximum
Leakage	-110dBc
Phase Stability	+/- 3°
Charcteristic impedance	50 +/- 2Ω
Weight, approximate	43.6 kg/km
Attenuation, maximum	8dB/100ft (0.26dB/m) @400MHz 13dB/100ft (0.43dB/m) @ 1GHz 23dB/100ft (0.75dB/m) @ 3GHz 30dB/100ft (0.98dB/m) @5GHz 45dB/100ft (1.48dB/m) @10GHz 64dB/100ft (2.10dB/m) @18GHz

Mechanical

ITEM	MATERIAL	DIAMETER
Center conductor	SPCW	0.036” (0.92mm)
Dielectric resistance	PTFE	0.117” (2.97mm)
Inner shield	SPC tape	0.128” (3.25mm)
Braid	SPC	0.141” (3.58mm)
Jacket	FEP	0.163” (4.14mm)

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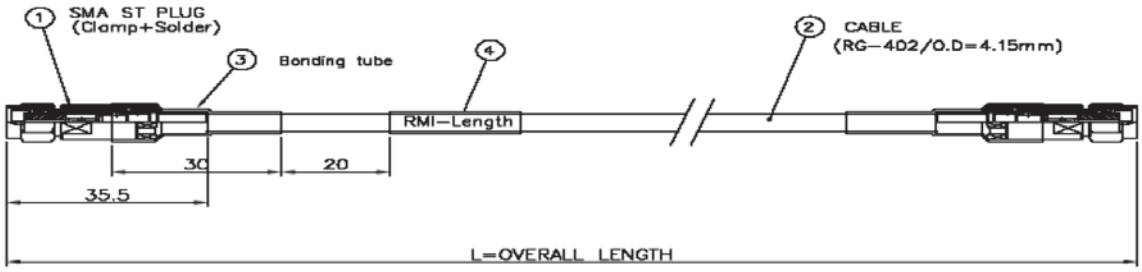
TESTCABLZ

TESTCABLZ - BLU402 CABLE ASSEMBLY (cont.)

The Series

RMI PART NUMBER	OVERALL LENGTH	CONNECTORS
RMCA.12.TCBLZ2.Smm	12	SMA male/male
RMCA.18.TCBLZ2.Smm	18	SMA male/male
RMCA.24.TCBLZ2.Smm	24	SMA male/male
RMCA.36.TCBLZ2.Smm	36	SMA male/male
RMCA.48.TCBLZ2.Smm	48	SMA male/male
RMCA.12.TCBLZ2.SNmm	12	SMA male/N male
RMCA.18.TCBLZ2.SNmm	18	SMA male/N male
RMCA.24.TCBLZ2.SNmm	24	SMA male/N male
RMCA.36.TCBLZ2.SNmm	36	SMA male/N male
RMCA.48.TCBLZ2.SNmm	48	SMA male/N male
RMCA.12.TCBLZ2.Nmm	12	N male/male
RMCA.18.TCBLZ2.Nmm	18	N male/male
RMCA.24.TCBLZ2.Nmm	24	N male/male
RMCA.36.TCBLZ2.Nmm	36	N male/male
RMCA.48.TCBLZ2.Nmm	48	N male/male



TESTCABLZ™ - BLU405 CABLE ASSEMBLY

FEATURES

- Robust connector attachment
- RoHs compliant
- Frequency coverage DC-18GHz coverage
- 1.20 : 1 max VSWR
- Operating temperature range -55ºC to +200ºC

CABLE PARAMETERS

Electrical

ITEM	SPECIFICATION
Operating frequency	DC-18GHz
Dielectric resistance	1000MΩ/km minimum
Test voltage	5000 Vrms
Continuous working voltage	1900 Vrms
Velocity of propagation	69.5% nominal
Capacitance	32 pF/ft maximum
Leakage	-110dBc
Phase Stability	+/- 3°
Charcteristic impedance	50 +/- 2Ω
Weight, approximate	19.1 kg/km
Attenuation, maximum	14dB/100ft (0.46dB/m) @400MHz 23dB/100ft (0.75dB/m) @ 1GHz 39dB/100ft (1.28dB/m) @ 3GHz 52dB/100ft (1.71dB/m) @5GHz 80dB/100ft (2.62dB/m) @10GHz 110dB/100ft (3.61dB/m) @18GHz

Mechanical

ITEM	MATERIAL	DIAMETER
Center conductor	SPCW	0.02” (0.511mm)
Dielectric resistance	PTFE	0.064” (1.63mm)
Inner shield	SPC tape	0.071” (1.80mm)
Braid	SPC	0.086” (2.18mm)
Jacket	FEP	0.104” (2.64mm)

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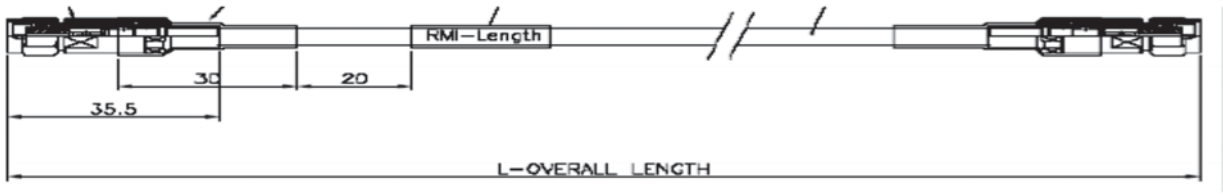
TESTCABLZ - BLU405 CABLE ASSEMBLY (cont.)

The Series

RMI PART NUMBER	OVERALL LENGTH	CONNECTORS
RMCA.12.TCBLZ5.Smm	12	SMA male/male
RMCA.18.TCBLZ5.Smm	18	SMA male/male
RMCA.24.TCBLZ5.Smm	24	SMA male/male
RMCA.36.TCBLZ5.Smm	36	SMA male/male
RMCA.48.TCBLZ5.Smm	48	SMA male/male
RMCA.12.TCBLZ5.SNmm	12	SMA male/N male
RMCA.18.TCBLZ5.SNmm	18	SMA male/N male
RMCA.24.TCBLZ5.SNmm	24	SMA male/N male
RMCA.36.TCBLZ5.SNmm	36	SMA male/N male
RMCA.48.TCBLZ5.SNmm	48	SMA male/N male
RMCA.12.TCBLZ5.Nmm	12	N male/male
RMCA.18.TCBLZ5.Nmm	18	N male/male
RMCA.24.TCBLZ5.Nmm	24	N male/male
RMCA.36.TCBLZ5.Nmm	36	N male/male
RMCA.48.TCBLZ5.Nmm	48	N male/male



TESTCABLZ™ - BLU401 CABLE ASSEMBLY

FEATURES

- Robust connector attachment
- RoHs compliant
- Frequency coverage DC-18GHz coverage
- 1.20 : 1 max VSWR
- Operating temperature range -55ºC to +200ºC

CABLE PARAMETERS

Electrical

ITEM	SPECIFICATION
Operating frequency	DC-18GHz
Dielectric resistance	1000MΩ/km minimum
Test voltage	7500 Vrms
Continuous working voltage	3000 Vrms
Velocity of propagation	69.5% nominal
Capacitance	29.6 pF/ft maximum
Leakage	-110dBc
Phase Stability	+/- 3°
Charcteristic impedance	50 +/- 2Ω
Weight, approximate	160.0 kg/km
Attenuation, maximum	5dB/100ft (0.17dB/m) @400MHz 9dB/100ft (0.29dB/m) @1GHz 17dB/100ft (0.57dB/m) @3Ghz 24dB/100ft (0.78dB/m) @5GHz 36dB/100ft (1.20dB/m) @10GHz 53dB/100ft (1.73dB/m) @18GHz

Mechanical

ITEM	MATERIAL	DIAMETER
Center conductor	SPC	0.064” (1.628mm)
Dielectric resistance	PTFE	0.209” (5.31mm)
Inner shield	SPC tape	0.226” (5.75mm)
Braid	SPC	0.252” (6.40mm)
Jacket	FEP	0.283” (7.20mm)

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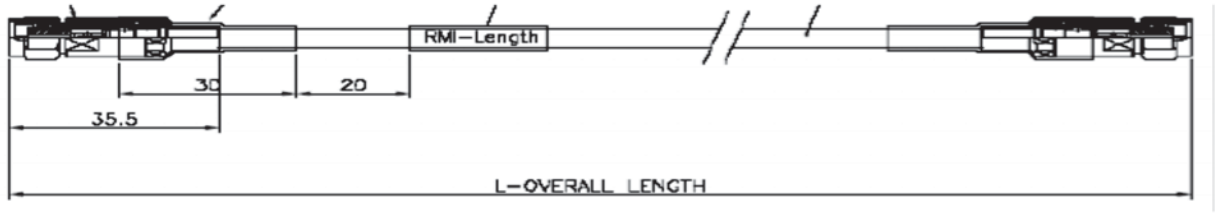
TESTCABLZ - BLU401 CABLE ASSEMBLY (cont.)

The Series

RMI PART NUMBER	OVERALL LENGTH	CONNECTORS
RMCA.12.TCBLZ1.Smm	12	SMA male/male
RMCA.18.TCBLZ1.Smm	18	SMA male/male
RMCA.24.TCBLZ1.Smm	24	SMA male/male
RMCA.36.TCBLZ1.Smm	36	SMA male/male
RMCA.48.TCBLZ1.Smm	48	SMA male/male
RMCA.12.TCBLZ1.SNmm	12	SMA male/N male
RMCA.18.TCBLZ1.SNmm	18	SMA male/N male
RMCA.24.TCBLZ1.SNmm	24	SMA male/N male
RMCA.36.TCBLZ1.SNmm	36	SMA male/N male
RMCA.48.TCBLZ1.SNmm	48	SMA male/N male
RMCA.12.TCBLZ1.Nmm	12	N male/male
RMCA.18.TCBLZ1.Nmm	18	N male/male
RMCA.24.TCBLZ1.Nmm	24	N male/male
RMCA.36.TCBLZ1.Nmm	36	N male/male
RMCA.48.TCBLZ1.Nmm	48	N male/male



CRYOGENIC BULK CABLE

FEATURES

- Low thermal conductivity center and outer conductor materials
- Temperature stable under cryogenic conditions
- Custom material combinations welcome

CN : Cupronickel **SS** : Stainless steel **Nb** : Niobium **BS** : Brass **B** : Berylium copper **Ti** : Titanium

MODEL NUMBER	DIAMETER (mm)	MATERIAL OF CENTER CONDUCTOR					MATERIAL OF OUTER CONDUCTOR				
		CN	SS	Nb	B	BS	CN	SS	Nb	B	BS
RMSC-033/50-CN-CN	0.33	•					•				
RMSC-033/50-CN-SS	0.33	•						•			
RMSC-033/50-SS-SS	0.33		•					•			
RMSC-033/50-Nb-CN	0.33			•			•				
RMSC-033/50-Nb-SS	0.33			•				•			
RMSC-033/50-AuSS-SS	0.33		•					•			
RMSC-040/50-CN-CN	0.40	•					•				
RMSC-086/50-CN-CN	0.86	•					•				
RMSC-086/50-B-B	0.86				•					•	
RMSC-086/50-SB-SB	0.86				•					•	
RMSC-086/50-BS-BS	0.86					•					•
RMSC-119/50-SB-SB	1.19				•					•	
RMSC-160/50-CN-CN	1.60	•					•				
RMSC-160/50-SCN-CN	1.60	•					•				
RMSC-219/50-CN-CN	2.19	•					•				
RMSC-219/50-SCN-CN	2.19	•					•				
RMSC-219/50-AuCN-CN	2.19	•					•				
RMSC-219/50-Nb-CN	2.19			•			•				
RMSC-219/50-Nb-Nb	2.19			•					•		
RMSC-219/50-SB-B	2.19				•					•	
RMSC-219/50-SB-SB	2.19				•					•	
RMSC-358/50-B-CN	3.58				•		•				
RMSC-358/50-B-SS	3.58				•			•			
RMSC-358/50-CN-CN	3.58	•					•				
RMSC-385/50-SCN-CN	3.58	•					•				
RMSC-033/50-SS-SS	3.58		•					•			

Notes:

- All cable available in bulk 1 meter lengths or as completed cable assemblies with connectors pre-attached

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SUPERCONDUCTING CABLE

MODEL NUMBER	DIAMETER (mm)	MATERIAL OF CENTER CONDUCTOR		MATERIAL OF OUTER CONDUCTOR	
		Nb	Ti	Nb	Ti
RMSC-086/50-Nb-Nb	0.086	•		•	
RMSC-119/50-Nb-Nb	1.19	•		•	
RMSC-219/50-Nb-Nb	2.19	•		•	
RMSC-160/50-Ti-Ti	1.60		•		•

PROPERTIES OF CONDUCTORS:

Material	Density (g/ c m3)	Volume resistivity (20°C) (μ Ω -cm)	Thermal conductivity (Cal/cm2/cm/sec/°C)
Stainless steel (SUS304)	7.90	72.0	0.036
Cupronickel	8.94	37.5	0.070
Niobium	8.57	14.6	0.130
Oxygen-free copper	8.94	1.7	0.934
Silver	10.49	1.642	1.000

Notes:

- All cable available in bulk 1 meter lengths or as completed cable assemblies with connectors pre-attached

HIGH TEMPERATURE CABLE

FEATURES

- Polyimide dielectric
- Withstands typical soldering temperatures
- Stable performance up to 300°C

MODEL NUMBER	DIAMETER (mm)	MATERIAL OF CENTER CONDUCTOR	MATERIAL OF OUTER CONDUCTOR	MATERIAL OF DIELECTRIC
RMSC-086/50-SB-SS-PI	0.86	Silver plated Beryllium copper	Stainless steel	Polyimide
RMSC-119/50-SS-SS-PI	1.19	Stainless steel	Stainless steel	Polyimide
RMSC-160S/50-SS-SS-PI	1.60	Stainless steel	Stainless steel	Polyimide
RMSC-160S/50-O-Cu-PI	1.60	SCSP(Silver plated copper clad steel)	Oxygen-free copper	Polyimide
RMSC-219/50-SS-SS-PI	2.19	Stainless steel	Stainless steel	Polyimide

Notes:

- All cable available in bulk 1 meter lengths or as completed cable assemblies with connectors pre-attached

CONNECTIVITY SOLUTIONS

Based on our strategic relationship as North American channel partner for **Compel Electronics SpA** , Response Microwave offers a complete line of high quality, cost effective connectivity solutions for use in your commercial or military environment. All product is available in either brass or stainless steel base materials with gold, silver, passivate or ternary alloy plating finish. In most cases, interfaces meet the requirements of MIL-C-39012, CECC-22210 and IEC-169-16.

All product offered is manufactured in an ISO9000-2001 process and is RoHS compliant. We are also able to provide certification for chemical analysis, metalurgy, mechanical and electrical (including PIM) compliance test, structural analysis and non-destructive environmental test as required.

Following is a sampling of current standard product availability. Custom variants are considered upon request. Please forward your specific requirements and we will respond with a price and technical quotation accordingly. Contact us with your requirements on coaxial connectors, adaptors, and cable assemblies within the following product families and feel free to download the complete catalogs from our WEB site.

COAXIAL SELECTION GUIDE

SERIES	FREQUENCY (GHz)	IMPEDANCE (Ω)	COUPLING	HIGHEST POWER	HIGHEST FREQUENCY
SMA	DC-18	50	Thread-on		
SMAP	DC - 18	50	Push-on		
SSMA	DC-35	50	Thread-on		
SMB	DC-4	50	Push-on		
SMC	DC-6	50	Push-on		
SMP	DC-40	50	Push-on		•
SMZ (BT43)	DC-3	75	Push-on		
MC CARD	DC-3	50	Push-on		
MCX	DC-6	50 & 75	Push-on		
MMCX	DC-6	50 & 75	Push-on		
1.0/2.3	DC-10	50 & 75	Push-on		
BMA	DC-6	50	Push-on		
1.6/5.6	DC-1	75	Push-on		
BNC	DC-4	50 & 75	Bayonet		
N	DC-12.4	50	Thread-on		
TNC	DC-18	50	Thread-on		
7/16	DC-8	50	Thread-on		
4.1/9.5	DC-10	50	Thread-on		
7/8	DC-3	50	Push-on	•	
U.FL	DC - 3	50	Push-on		
F	DC - 2	75	Thread-on		

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CONNECTIVITY SOLUTIONS

FIBER OPTIC SELECTION GUIDE

SERIES	FIBER	COUPLING	HIGH TENSILE STRENGTH	SMALLEST SIZE
FC	Glass SM/MM	Thread-on	•	
SC	Glass SM/MM	Push-pull		
SC2	Glass SM/MM	Push-pull		
MU	Glass SM/MM	Push-pull		•
MU-J	Glass SM/MM	Push-pull		
ST	Glass SM/MM	Bayonet		
LC	Glass SM/MM	Push-pull		
E2000	Glass SM/MM	Push-pull		
SMA-POF	Plastic	Thread-on		

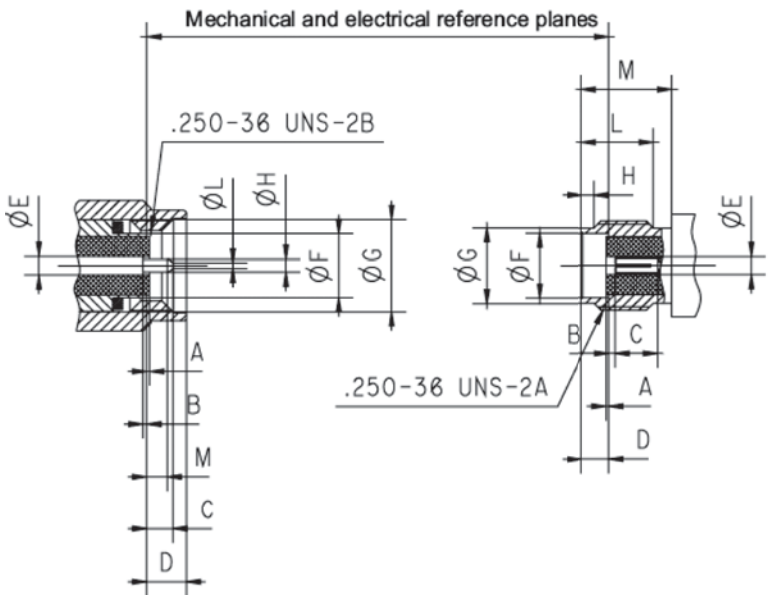
MULTI-PIN SELECTION GUIDE

SERIES	MAX CONTACTS	COUPLING	POWER CARRY	SIGNAL CARRY
D-SUB	37	Push-on	•	•
METRIC 2.0	475	Snap-on		•
METRIC 2.5	475	Snap-on		•
RECTANGULAR	24	Push-on	•	
DIN41612	96	Push-on	•	•

SMA SERIES (DC-18GHz) INTERFACE DIMENSIONS

MALE

LTR	mm	
	MIN	MAX
A	-0.25	0
B	0	0.25
C	-	2.54
D	-	3.43
E	1.24	1.30
F	-	4.59
G	6.35	-
H	0.90	0.94
L	0	0.38
M	1.27	-

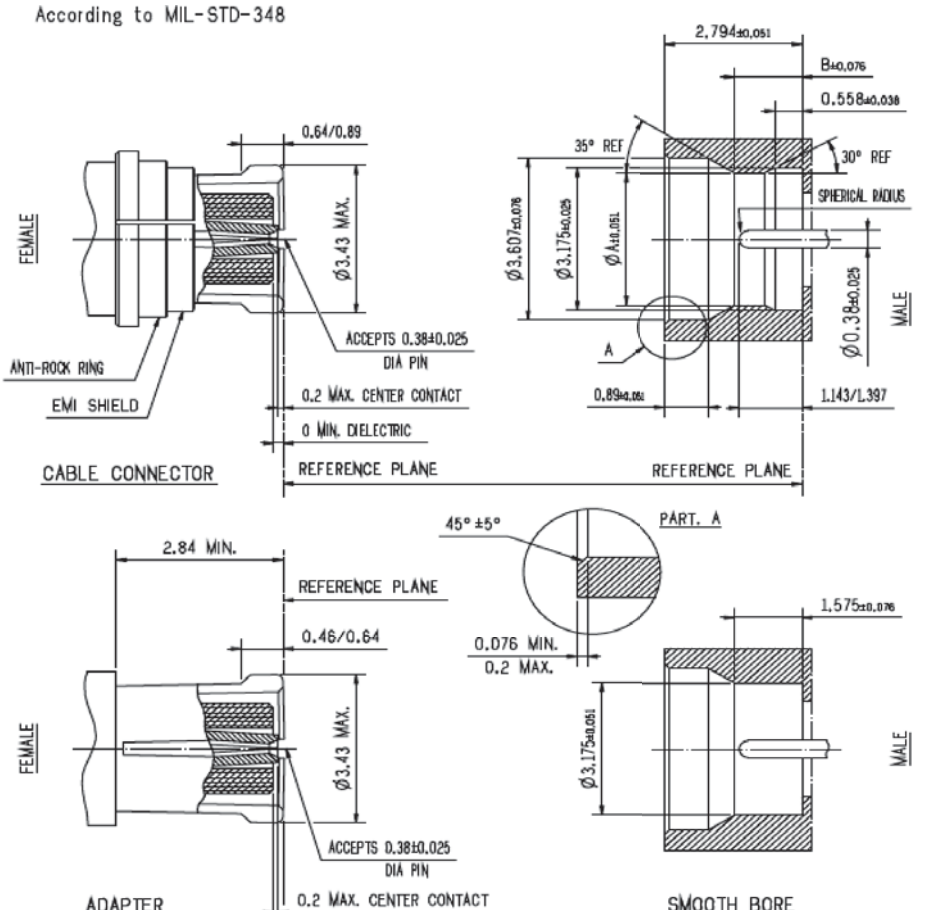


FEMALE

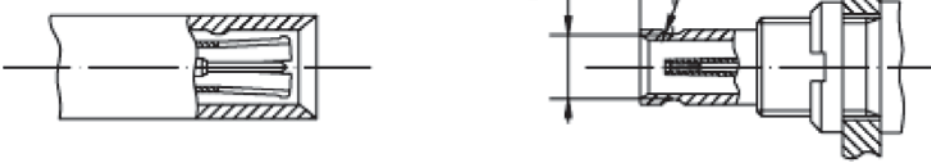
LTR	mm	
	MIN	MAX
A	- 0.25	0
B	0	0.25
C	2.92	-
D	1.88	1.98
E	1.24	1.30
F	4.60	-
G	5.28	5.49
H	0.38	1.14
L	4.32	-
M	5.54	-

SMP SERIES (DC-40GHz) INTERFACE DIMENSIONS

LTR	(mm)	
	FULL DETENT	LIMITED DETENT
ØA	2.946	3.048
ØB	1.37	1.448



1.0/2.3 SERIES (DC-10GHz) INTERFACE DIMENSIONS



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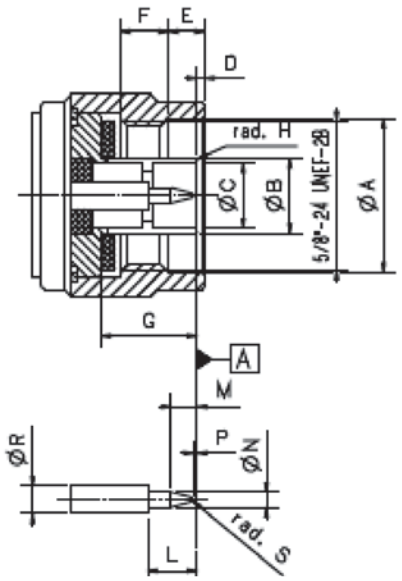
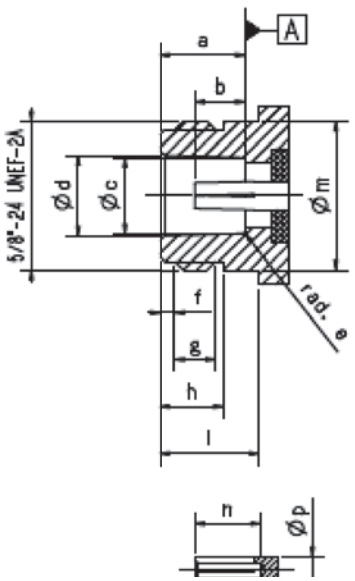
CONNECTIVITY SOLUTIONS

TYPE N SERIES (DC-12GHz) INTERFACE DIMENSIONS

MALE

LTR	mm	
	MIN	MAX
ØA	16.00	-
ØB	-	8.027
ØC	7 nom.	
D	0.41	1.52
E	4.013	4.267
F	4.50	-
G	9.25	-
rad. H	0.15	-
L	5.33	-
M	2.79	3.56
ØN	1.600	1.676
O	0.0	1.57
ØR	3.04 nom.	
rad. S	-	0.64





FEMALE

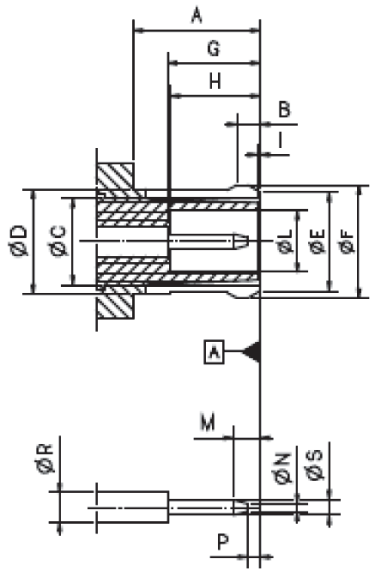
LTR	mm	
	MIN	MAX
a	9.05	9.19
b	4.75	5.26
Øc	8.027	8.13
Ød	8.53	8.74
rad. e	-	0.13
f	1.19	1.96
g	4.37	-
h	6.76	-
l	10.72	-
Øm	-	15.93
n	5.33	-
Øp	3.04 nom.	

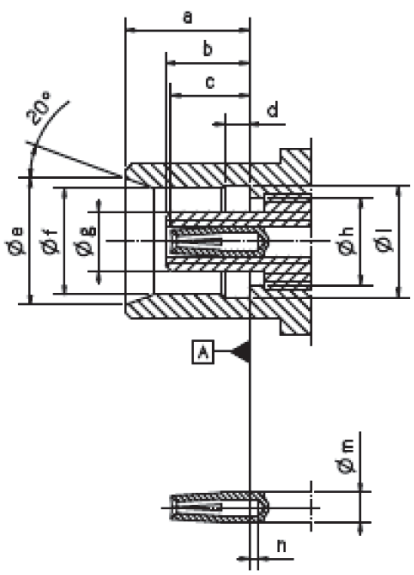
A ELECTRICAL AND MECHANICAL REF. PLANE

MCX SERIES (DC-6GHz) INTERFACE DIMENSIONS

MALE

LTR	mm	
	MIN	MAX
A	4.15	-
B	0.70	0.75
ØC	-	3.00
ØD	-	3.40
ØE	-	3.60
ØF	-	3.80
G	2.80	3.20
H	2.80	-
I	0.00	0.30
ØL	2.00	-
M	-	1.20
ØN	-	0.25
P	0.15	-
ØR	0.95 nom.	
ØS	0.48	0.53





FEMALE

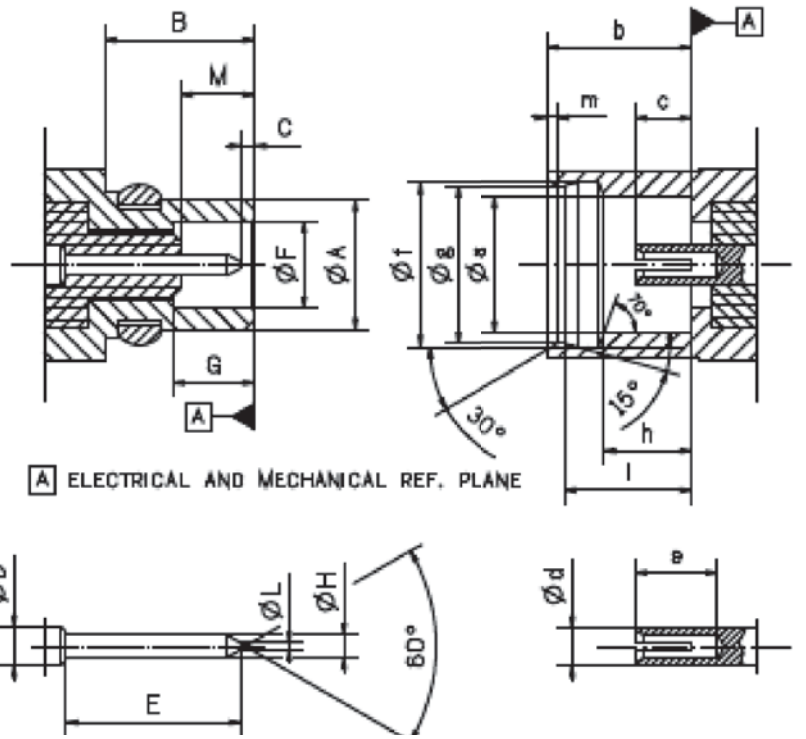
LTR	mm	
	MIN	MAX
a	4.00	4.12
b	2.60	2.80
c	2.30	2.80
d	0.75	0.85
Øe	3.80	-
Øf	3.42	3.48
Øg	-	1.98
Øh	-	3.00
Øl	3.60	3.75
Øm	0.95 nom.	
n	0.00	-

A ELECTRICAL AND MECHANICAL REF. PLANE

MMCX SERIES (DC-6GHz) INTERFACE DIMENSIONS

MALE

LTR	mm	
	MIN	MAX
ØA	-	2.40
B	2.70	-
C	-	0.25
ØD	0.7 nom.	
E	-	3.15
ØF	1.58	1.62
G	1.45	-
ØH	0.38	0.42
ØL	-	0.20
M	1.23	-



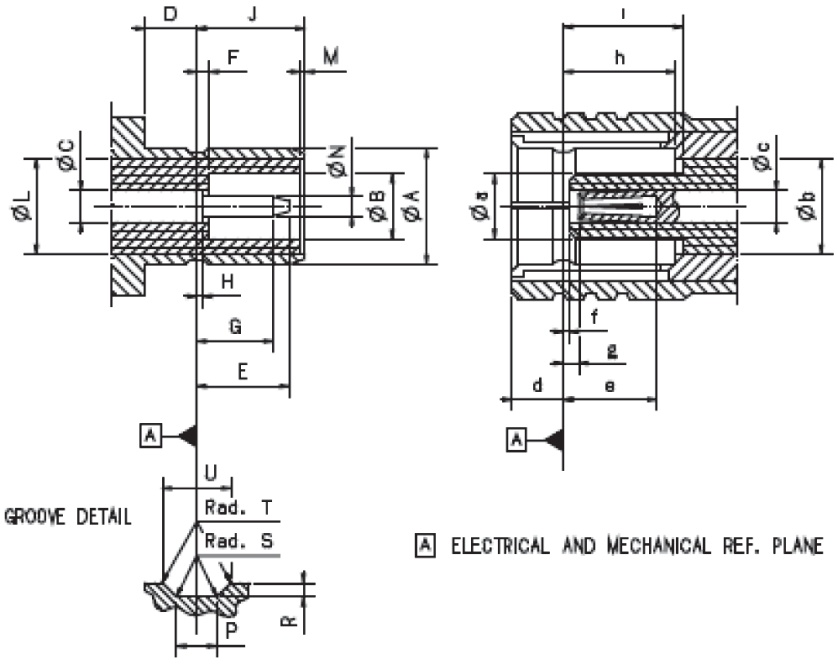
FEMALE

LTR	mm	
	MIN	MAX
Øa	2.41	-
b	2.60	2.67
c	0.90	1.20
Ød	0.70 nom.	
e	1.40	-
Øf	3.00	3.04
Øg	2.88	2.90
h	1.57	1.63
l	2.30	2.34
m	-	0.23

SMB SERIES (DC-4GHz) INTERFACE DIMENSIONS

MALE

LTR	mm	
	MIN	MAX
ØA	3.66	3.71
ØB	2.08	-
ØC	0.95 nom.	
D	1.65	-
E	-	2.97
F	-	0.18
G	1.32	-
H	-	0.18
J	3.33	3.58
ØL	3.05 nom.	
M	0.0	-
ØN	0.48	0.53
P	0.28	0.38
R	0.15	0.25
S	-	0.13
T	0.05	0.15
U	0.69	0.94



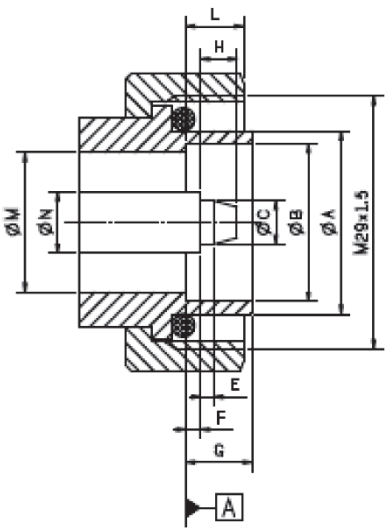
FEMALE

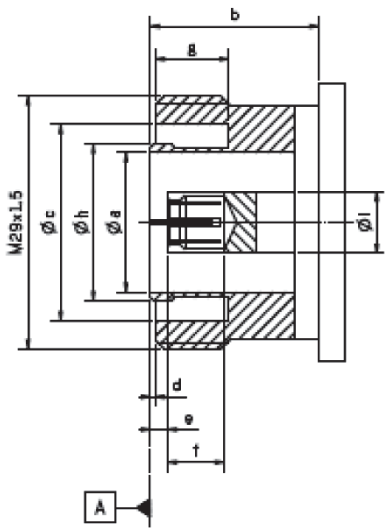
LTR	mm	
	MIN	MAX
Øa	-	2.06
Øb	3.05 nom.	
Øc	0.95 nom.	
d	-	1.63
e	2.97	-
f	0.18	-
g	0.18	0.94
h	3.58	-
l	3.58	-

7/16 SERIES (DC-6GHz) INTERFACE DIMENSIONS

MALE

LTR	mm	
	MIN	MAX
ØA	20.6	21.4
ØB	18.03	18.21
ØC	4.96	5.04
D	15.85	16.25
E	1.4	1.6
F	1.47	1.77
G	7.00	8.00
H	-	4.5
L	7.00	9.00
ØM	15.85	16.25
ØN	7 nom.	





FEMALE

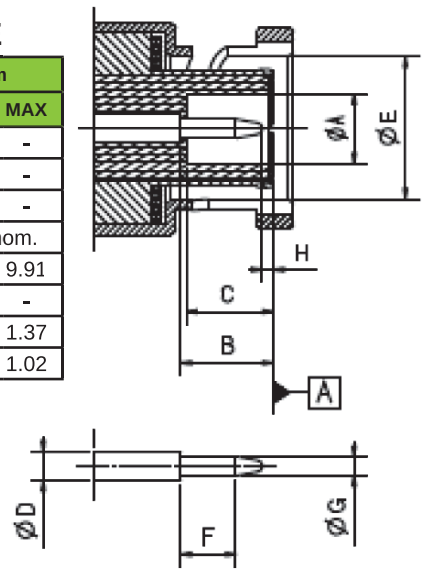
LTR	mm	
	MIN	MAX
Øa	15.85	16.25
b	10	-
Øc	22.1	22.9
d	0.5	0.74
e	1.77	2.07
f	5	-
g	8.1	-
Øh	17.84	18.02
Øl	7 nom.	

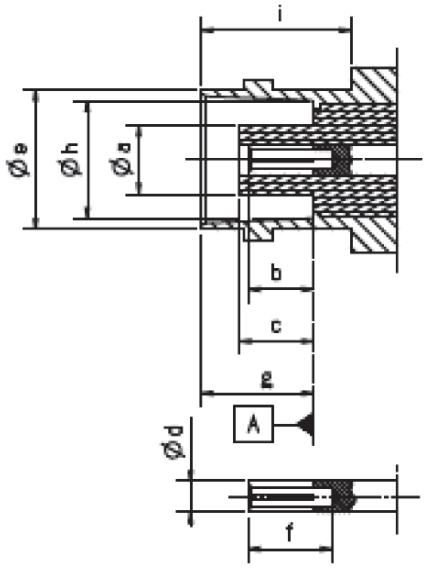
A MECHANICAL AND ELECTRICAL REFERENCE PLANE

BNC SERIES 50Ω (DC-4GHz) INTERFACE DIMENSIONS

MALE

LTR	mm	
	MIN	MAX
ØA	4.83	-
B	5.33	-
C	5.28	-
ØD	2.14 nom.	
ØE	9.78	9.91
F	1.98	-
ØG	1.32	1.37
H	0.08	1.02





FEMALE

LTR	mm	
	MIN	MAX
Øa	-	4.72
b	4.72	5.23
c	-	5.28
Ød	2.14 nom.	
Øe	9.60	9.70
f	4.95	-
Øg	8.31	8.51
h	8.10	8.15
I	10.52	-

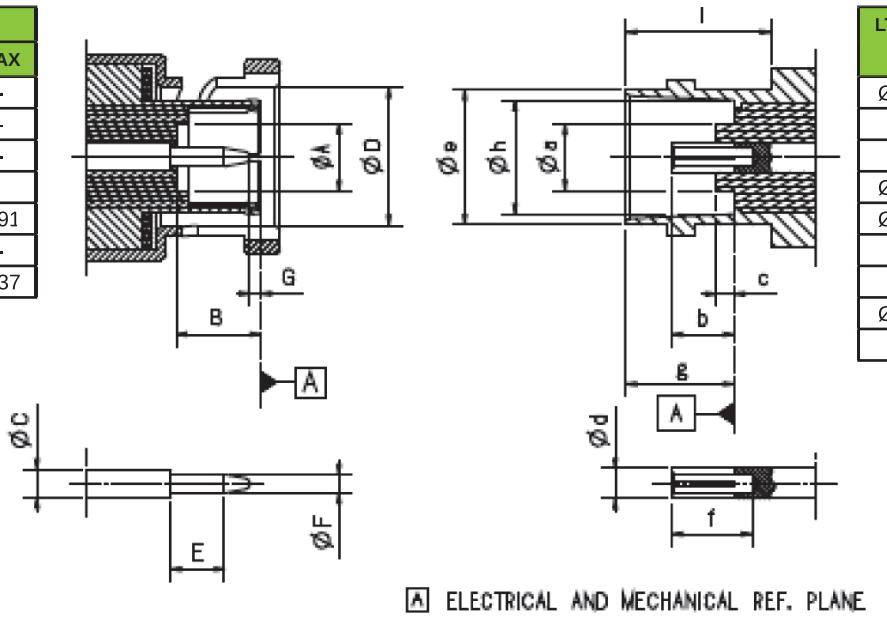
A ELECTRICAL AND MECHANICAL REF. PLANE

CONNECTIVITY SOLUTIONS

BNC SERIES 75Ω (DC-1GHz) INTERFACE DIMENSIONS

MALE

LTR	mm	
	MIN	MAX
ØA	4.83	-
B	5.28	-
ØC	2.06	-
ØD	9.78	
E	1.98	9.91
ØF	1.32	-
G	0.08	1.37



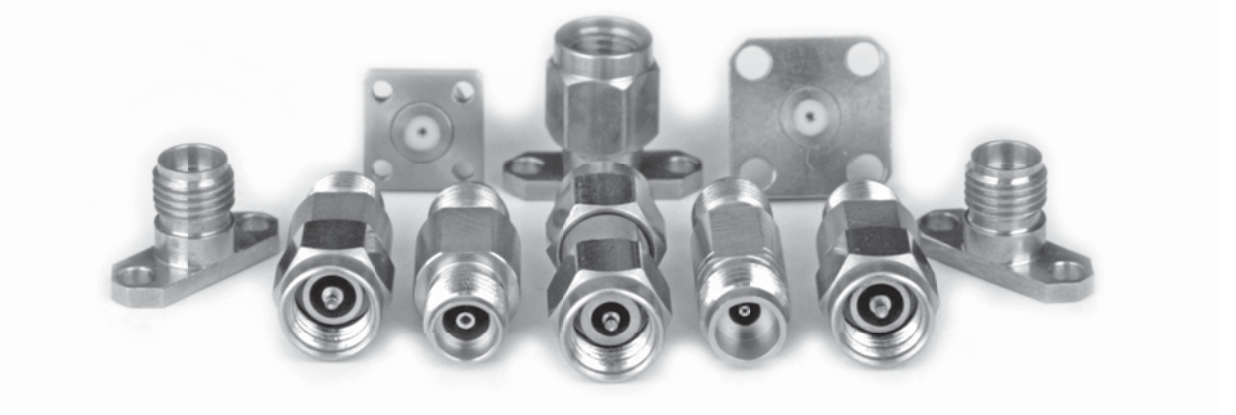
FEMALE

LTR	mm	
	MIN	MAX
Øa	-	4.72
b	4.72	5.23
c	-	2.31
Ød	1.88	2.29
Øe	9.60	9.70
f	4.95	-
g	8.31	8.51
Øh	8.10	8.15
l	10.52	-

PRECISION CONNECTOR SERIES

PRECISION CONNECTIVITY SELECTION GUIDE

In addition to our general purpose connectivity solutions, the following pages will detail our complete offering of precision module mount connectors operating from DC to 65 GHz.



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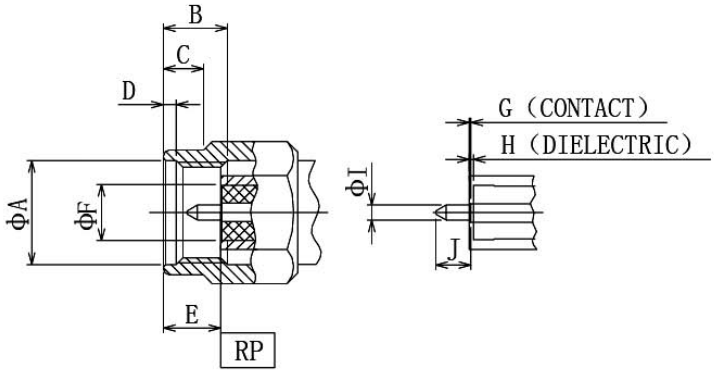
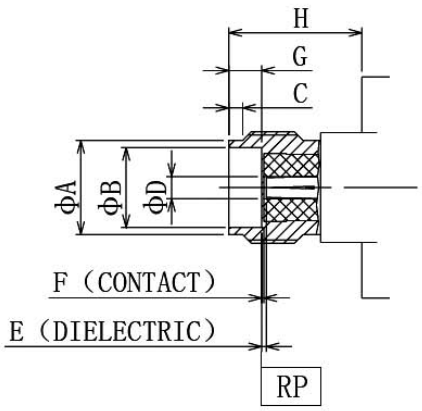
PRECISION SMA CONNECTOR SERIES

FEATURES

- Nominal Impedance: 50 Ω
- Frequency range: DC-27GHz
- VSWR: DC-18GHz… 1.10 : 1 (Max)
  18GHz-27GHz… 1.15 : 1 (Max)
- Maximum Power Handling: Standard Model 150W at 125ºC; High Power Model 250W at 125ºC, 160W at 165ºC
- Durability: 500 cycles
- Operating Temperature: -50ºC~ +125ºC Standard Model
  -60ºC~ +165ºC High Power Model
- Housing: Type 303 Stainless Steel - Polished & Passivated
- Center Contact: Beryllium Copper Plated Gold
- Insulators: PTFE
- Interfaces: PER MIL-STD-348A

Interface Dimensions





SMA MALE (mm)		
LTR	MINIMUM	MAXIMUM
A	6.5	6.6
B	4	4
C	2.5	2.5
D	0.8	0.8
E	2.97	3.28
F	3.48	3.52
G	0	0.198
H	0	0.178
I	0.920	0.934
J	2.09	2.15

SMA FEMALE (mm)		
LTR	MINIMUM	MAXIMUM
A	5.324	5.400
B	4.60	4.63
C	0.9	0.9
D	1.25	1.28
E	0	0.178
F	0	0.198
G	1.855	1.993
H	5.3	-

PRECISION SMA CONNECTOR SERIES

SMA REMOVABLE FLANGE CONNECTORS

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.270.12.4H1	SMA female 4-Hole	12.7 sq	8.6	0.012 / 0.30
RMC.270.12.4H1H	SMA female 4-Hole HP	12.7 sq	8.6	0.012 / 0.30
RMC.270.15.4H1	SMA female 4-Hole	12.7 sq	8.6	0.015 / 0.38
RMC.270.15.4H1H	SMA female 4-Hole HP	12.7 sq	8.6	0.015 / 0.38
RMC.270.18.4H1	SMA female 4-Hole	12.7 sq	8.6	0.018 / 0.46
RMC.270.18.4H1H	SMA female 4-Hole HP	12.7 sq	8.6	0.018 / 0.46
RMC.270.20.4H1	SMA female 4-Hole	12.7 sq	8.6	0.020 / 0.51
RMC.270.20.4H1H	SMA female 4-Hole HP	12.7 sq	8.6	0.020 / 0.51
RMC.270.12.4H2	SMA female 4-Hole	9.5 sq	6.35	0.012 / 0.30
RMC.270.12.4H2H	SMA female 4-Hole HP	9.5 sq	6.35	0.012 / 0.30
RMC.270.15.4H2	SMA female 4-Hole	9.5 sq	6.35	0.015 / 0.38
RMC.270.15.4H2H	SMA female 4-Hole HP	9.5 sq	6.35	0.015 / 0.38
RMC.270.18.4H2	SMA female 4-Hole	9.5 sq	6.35	0.018 / 0.46
RMC.270.18.4H2H	SMA female 4-Hole HP	9.5 sq	6.35	0.018 / 0.46
RMC.270.20.4H2	SMA female 4-Hole	9.5 sq	6.35	0.020 / 0.51
RMC.270.20.4H2H	SMA female 4-Hole HP	9.5 sq	6.35	0.020 / 0.51
RMC.270.12.4H3	SMA female 4-Hole	12.7 x 9.5	8.64, 5.64	0.012 / 0.30
RMC.270.12.4H3H	SMA female 4-Hole HP	12.7 x 9.5	8.64, 5.64	0.012 / 0.30
RMC.270.15.4H3	SMA female 4-Hole	12.7 x 9.5	8.64, 5.64	0.015 / 0.38
RMC.270.15.4H3H	SMA female 4-Hole HP	12.7 x 9.5	8.64, 5.64	0.015 / 0.38
RMC.270.18.4H3	SMA female 4-Hole	12.7 x 9.5	8.64, 5.64	0.018 / 0.46
RMC.270.18.4H3H	SMA female 4-Hole HP	12.7 x 9.5	8.64, 5.64	0.018 / 0.46
RMC.270.20.4H3	SMA female 4-Hole	12.7 x 9.5	8.64, 5.64	0.020 / 0.51
RMC.270.20.4H3H	SMA female 4-Hole HP	12.7 x 9.5	8.64, 5.64	0.020 / 0.51
RMC.270.12.2H4	SMA female 2-Hole	15.8 x 5.7	12.2	0.012 / 0.30
RMC.270.12.2H4H	SMA female 2-Hole HP	15.8 x 5.7	12.2	0.012 / 0.30
RMC.270.15.2H4	SMA female 2-Hole	15.8 x 5.7	12.2	0.015 / 0.38
RMC.270.15.2H4H	SMA female 2-Hole HP	15.8 x 5.7	12.2	0.015 / 0.38
RMC.270.18.2H4	SMA female 2-Hole	15.8 x 5.7	12.2	0.018 / 0.46
RMC.270.18.2H4H	SMA female 2-Hole HP	15.8 x 5.7	12.2	0.018 / 0.46

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PRECISION SMA CONNECTOR SERIES

SMA REMOVABLE FLANGE CONNECTORS (cont.)

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.270.20.2H4	SMA female 2-Hole	15.8 x 5.7	12.2	0.020 / 0.51
RMC.270.20.2H4H	SMA female 2-Hole HP	15.8 x 5.7	12.2	0.020 / 0.51
RMC.270.12.2H5	SMA female 2-Hole	14 x 4.8	10.2	0.012 / 0.30
RMC.270.12.2H5H	SMA female 2-Hole HP	14 x 4.8	10.2	0.012 / 0.30
RMC.270.15.2H5	SMA female 2-Hole	14 x 4.8	10.2	0.015 / 0.38
RMC.270.15,2H5H	SMA female 2-Hole HP	14 x 4.8	10.2	0.015 / 0.38
RMC.270.18.2H5	SMA female 2-Hole	14 x 4.8	10.2	0.018 / 0.46
RMC.270.18.2H5H	SMA female 2-Hole HP	14 x 4.8	10.2	0.018 / 0.46
RMC.270.20.2H5	SMA female 2-Hole	14 x 4.8	10.2	0.020 / 0.51
RMC.270.20.2H5H	SMA female 2-Hole HP	14 x 4.8	10.2	0.020 / 0.51
RMC.270.12.2H6	SMA female 2-Hole	12.7 x 5.7	8.9	0.012 / 0.30
RMC.270.12.2H6H	SMA female 2-Hole HP	12.7 x 5.7	8.9	0.012 / 0.30
RMC.270.15.2H6	SMA female 2-Hole	12.7 x 5.7	8.9	0.015 / 0.38
RMC.270.15.2H6H	SMA female 2-Hole HP	12.7 x 5.7	8.9	0.015 / 0.38
RMC.270.18.2H6	SMA female 2-Hole	12.7 x 5.7	8.9	0.018 / 0.46
RMC.270.18.2H6H	SMA female 2-Hole HP	12.7 x 5.7	8.9	0.018 / 0.46
RMC.270.20.2H6	SMA female 2-Hole	12.7 x 5.7	8.9	0.020 / 0.51
RMC.270.20.2H6H	SMA female 2-Hole HP	12.7 x 5.7	8.9	0.020 / 0.51
RMC.270.12.2H7	SMA female 2-Hole	12.7 x 5.7	8.6	0.012 / 0.30
RMC.270.12.2H7H	SMA female 2-Hole HP	12.7 x 5.7	8.6	0.012 / 0.30
RMC.270.15.2H7	SMA female 2-Hole	12.7 x 5.7	8.6	0.015 / 0.38
RMC.270.15.2H7H	SMA female 2-Hole HP	12.7 x 5.7	8.6	0.015 / 0.38
RMC.270.18.2H7	SMA female 2-Hole	12.7 x 5.7	8.6	0.018 / 0.46
RMC.270.18.2H7H	SMA female 2-Hole HP	12.7 x 5.7	8.6	0.018 / 0.46
RMC.270.20.2H7	SMA female 2-Hole	12.7 x 5.7	8.6	0.020 / 0.51
RMC.270.20.2H7H	SMA female 2-Hole HP	12.7 x 5.7	8.6	0.020 / 0.51
RMC.271.12.4H1	SMA male 4-Hole	12.7 sq	8.6	0.012 / 0.30
RMC.271.12.4H1H	SMA male 4-Hole HP	12.7 sq	8.6	0.012 / 0.30
RMC.271.15.4H1	SMA male 4-Hole	12.7 sq	8.6	0.015 / 0.38
RMC.271.15.4H1H	SMA male 4-Hole HP	12.7 sq	8.6	0.015 / 0.38
RMC.271.18.4H1	SMA male 4-Hole	12.7 sq	8.6	0.018 / 0.46
RMC.271.18.4H1H	SMA male 4-Hole HP	12.7 sq	8.6	0.018 / 0.46
RMC.271.20.4H1	SMA male 4-Hole	12.7 sq	8.6	0.020 / 0.51
RMC.271.20.4H1H	SMA male 4-Hole HP	12.7 sq	8.6	0.020 / 0.51
RMC.271.12.4H2	SMA male 4-Hole	9.5 sq	6.35	0.012 / 0.30
RMC.271.12.4H2H	SMA male 4-Hole HP	9.5 sq	6.35	0.012 / 0.30
RMC.271.15.4H2	SMA male 4-Hole	9.5 sq	6.35	0.015 / 0.38
RMC.271.15.4H2H	SMA male 4-Hole HP	9.5 sq	6.35	0.015 / 0.38
RMC.271.18.4H2	SMA male 4-Hole	9.5 sq	6.35	0.018 / 0.46
RMC.271.18.4H2H	SMA male 4-Hole HP	9.5 sq	6.35	0.018 / 0.46
RMC.271.20.4H2	SMA male 4-Hole	9.5 sq	6.35	0.020 / 0.51
RMC.271.20.4H2H	SMA male 4-Hole HP	9.5 sq	6.35	0.020 / 0.51
RMC.271.12.4H3	SMA male 4-Hole	12.7 x 9.5	8.64, 5.64	0.012 / 0.30
RMC.271.12.4H3H	SMA male 4-Hole HP	12.7 x 9.5	8.64, 5.64	0.012 / 0.30
RMC.271.15.4H3	SMA male 4-Hole	12.7 x 9.5	8.64, 5.64	0.015 / 0.38

PRECISION SMA CONNECTOR SERIES

SMA REMOVABLE FLANGE CONNECTORS (cont.)

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.271.15.4H3H	SMA male 4-Hole HP	12.7 x 9.5	8.64, 5.64	0.015 / 0.38
RMC.271.18.4H3	SMA male 4-Hole	12.7 x 9.5	8.64, 5.64	0.018 / 0.46
RMC.271.18.4H3H	SMA male 4-Hole HP	12.7 x 9.5	8.64, 5.64	0.018 / 0.46
RMC.271.20.4H3	SMA male 4-Hole	12.7 x 9.5	8.64, 5.64	0.020 / 0.51
RMC.271.20.4H3H	SMA male 4-Hole HP	12.7 x 9.5	8.64, 5.64	0.020 / 0.51
RMC.271.12.2H4	SMA male 2-Hole	15.8 x 5.7	12.2	0.012 / 0.30
RMC.271.12.2H4H	SMA male 2-Hole HP	15.8 x 5.7	12.2	0.012 / 0.30
RMC.271.15.2H4	SMA male 2-Hole	15.8 x 5.7	12.2	0.015 / 0.38
RMC.271.15.2H4H	SMA male 2-Hole HP	15.8 x 5.7	12.2	0.015 / 0.38
RMC.271.18.2H4	SMA male 2-Hole	15.8 x 5.7	12.2	0.018 / 0.46
RMC.271.18.2H4H	SMA male 2-Hole HP	15.8 x 5.7	12.2	0.018 / 0.46
RMC.271.20.2H4	SMA male 2-Hole	15.8 x 5.7	12.2	0.020 / 0.51
RMC.271.20.2H4H	SMA male 2-Hole HP	15.8 x 5.7	12.2	0.020 / 0.51
RMC.271.12.2H5	SMA male 2-Hole	14 x 4.8	10.2	0.012 / 0.30
RMC.271.12.2H5H	SMA male 2-Hole HP	14 x 4.8	10.2	0.012 / 0.30
RMC.271.15.2H5	SMA male 2-Hole	14 x 4.8	10.2	0.015 / 0.38
RMC.271.15.2H5H	SMA male 2-Hole HP	14 x 4.8	10.2	0.015 / 0.38
RMC.271.18.2H5	SMA male 2-Hole	14 x 4.8	10.2	0.018 / 0.46
RMC.271.18.2H5H	SMA male 2-Hole HP	14 x 4.8	10.2	0.018 / 0.46
RMC.271.20.2H5	SMA male 2-Hole	14 x 4.8	10.2	0.020 / 0.51
RMC.271.20.2H5H	SMA male 2-Hole HP	14 x 4.8	10.2	0.020 / 0.51
RMC.271.12.2H6	SMA male 2-Hole	12.7 x 5.7	8.9	0.012 / 0.30
RMC.271.12.2H6H	SMA male 2-Hole HP	12.7 x 5.7	8.9	0.012 / 0.30
RMC.271.15.2H6	SMA male 2-Hole	12.7 x 5.7	8.9	0.015 / 0.38
RMC.271.15.2H6H	SMA male 2-Hole HP	12.7 x 5.7	8.9	0.015 / 0.38
RMC.271.18.2H6	SMA male 2-Hole	12.7 x 5.7	8.9	0.018 / 0.46
RMC.271.18.2H6H	SMA male 2-Hole HP	12.7 x 5.7	8.9	0.018 / 0.46
RMC.271.20.2H6	SMA male 2-Hole	12.7 x 5.7	8.9	0.020 / 0.51
RMC.271.20.2H6H	SMA male 2-Hole HP	12.7 x 5.7	8.9	0.020 / 0.51

SMA THREAD-IN CONNECTORS

MODEL NUMBER	DESCRIPTION	OVERALL LENGTH (mm)	OVERALL DIAMETER (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.270.12.TH1	SMA female Thread-in	9.9	5.35	0.012 / 0.30
RMC.270.15.TH1	SMA female Thread-in	9.9	5.35	0.015 / 0.38
RMC.270.18.TH1	SMA female Thread-in	9.9	5.35	0.018 / 0.46
RMC.270.20.TH1	SMA female Thread-in	9.9	5.35	0.020 / 0.51
RMC.270.12.TH2	SMA female Thread-in	10.7	5.35	0.012 / 0.30
RMC.270.15.TH2	SMA female Thread-in	10.7	5.35	0.015 / 0.38
RMC.270.18.TH2	SMA female Thread-in	10.7	5.35	0.018 / 0.46
RMC.270.20.TH2	SMA female Thread-in	10.7	5.35	0.020 / 0.51

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SMA BULKHEAD THREAD-IN CONNECTORS

MODEL NUMBER	DESCRIPTION	OVERALL LENGTH (mm)	OVERALL DIAMETER (mm)	PIN DIAMETER (inch / mm)
RMC.270.**.L01	SMA female BH Thread-in	9.9	5.35	SPECIFY

Note: * * = pin diameter and length

SMA BULKHEAD FLANGE CONNECTORS

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	PIN DIAMETER (inch / mm)	DIELECTRIC LENGTH (MM)
RMC.270.03.B4H1	SMA female BH 4-Hole	12.7 sq	8.6	0.03 / 0.8	4
RMC.270.03.B4H2	SMA female BH 4-Hole	9.5 sq	6.35	0.03 / 0.8	4
RMC.270.03.B4H3	SMA female BH 4-Hole	12.7 x 9.5	8.64, 5.64	0.03 / 0.8	4
RMC.270.03.B2H4	SMA female BH 2-Hole	15.8 x 5.7	12.2	0.03 / 0.8	4
RMC.270.03.B2H5	SMA female BH 2-Hole	14 x 4.8	10.2	0.03 / 0.8	4
RMC.270.03.B2H6	SMA female BH 2-Hole	12.7 x 5.7	8.9	0.03 / 0.8	4
RMC.270.03.B2H7	SMA female BH 2-Hole	12.7 x 5.7	8.6	0.03 / 0.8	4
RMC.270.15.B4H1	SMA female BH 4-Hole	12.7 sq	8.6	0.015 / 0.38	3
RMC.270.15.B4H2	SMA female BH 4-Hole	9.5 sq	6.35	0.015 / 0.38	3
RMC.270.15.B4H3	SMA female BH 4-Hole	12.7 x 9.5	8.64, 5.64	0.015 / 0.38	3
RMC.270.15.B2H4	SMA female BH 2-Hole	15.8 x 5.7	12.2	0.015 / 0.38	3
RMC.270.15.B2H5	SMA female BH 2-Hole	14 x 4.8	10.2	0.015 / 0.38	3
RMC.270.15.B2H6	SMA female BH 2-Hole	12.7 x 5.7	8.9	0.015 / 0.38	3
RMC.270.15.B2H7	SMA female BH 2-Hole	12.7 x 5.7	8.6	0.015 / 0.38	3
RMC.270.04.B4H14	SMA female BH 4-Hole	12.7 sq	8.6	0.04 / 1.0	4
RMC.270.04.B4H24	SMA female BH 4-Hole	9.5 sq	6.35	0.04 / 1.0	4
RMC.270.04.B4H34	SMA female BH 4-Hole	12.7 x 9.5	8.64, 5.64	0.04 / 1.0	4
RMC.270.04.B2H44	SMA female BH 2-Hole	15.8 x 5.7	12.2	0.04 / 1.0	4
RMC.270.04.B2H54	SMA female BH 2-Hole	14 x 4.8	10.2	0.04 / 1.0	4
RMC.270.04.B2H64	SMA female BH 2-Hole	12.7 x 5.7	8.9	0.04 / 1.0	4
RMC.270.04.B2H74	SMA female BH 2-Hole	12.7 x 5.7	8.6	0.04 / 1.0	4
RMC.270.04.B4H13	SMA female BH 4-Hole	12.7 sq	8.6	0.04 / 1.0	3
RMC.270.04.B4H23	SMA female BH 4-Hole	9.5 sq	6.35	0.04 / 1.0	3
RMC.270.04.B4H33	SMA female BH 4-Hole	12.7 x 9.5	8.64, 5.64	0.04 / 1.0	3
RMC.270.04.B4H43	SMA female BH 2-Hole	15.8 x 5.7	12.2	0.04 / 1.0	3
RMC.270.04.B4H53	SMA female BH 2-Hole	14 x 4.8	10.2	0.04 / 1.0	3
RMC.270.04.B4H63	SMA female BH 2-Hole	12.7 x 5.7	8.9	0.04 / 1.0	3
RMC.270.04.B4H73	SMA female BH 2-Hole	12.7 x 5.7	8.6	0.04 / 1.0	3

SMA EDGE LAUNCH CONNECTORS

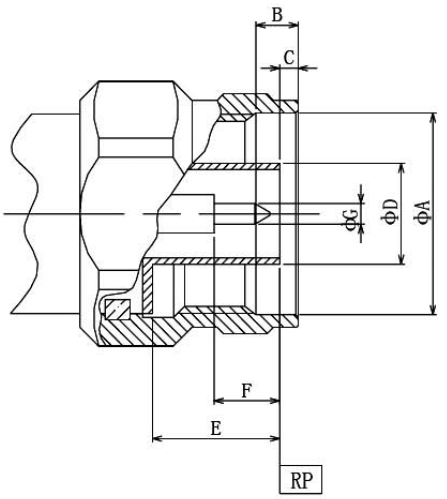
MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	PCB THICKNESS (inch)	PIN DIAMETER (inch / mm)
RMC.270.12.EL1	SMA female - center ground	6.5 sq	0.062	0.012 / 0.3
RMC.270.12.EL2	SMA female - bottom ground	6.5 sq	0.062	0.012 / 0.3
RMC.270.12.EL3	SMA female	7.5 dia	0.062	0.012 / 0.3
RMC.271.12.EL3	SMA male	7.5 dia	0.062	0.012 / 0.3

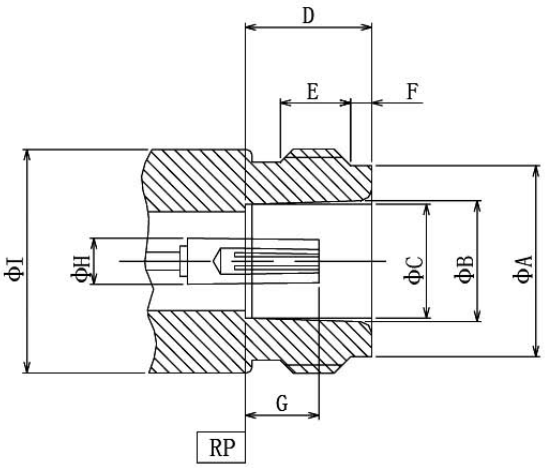
PRECISION TYPE N CONNECTOR SERIES

FEATURES

- Nominal Impedance: 50 Ω
- Frequency range: DC-18GHz
- VSWR: DC-18GHz… 1.15 : 1 (Max)
- Durability; 500 cycles
- Operating Temperature: -60ºC˜ +165ºC
- Housing: Type 303 Stainless Steel - Polished & Passivated
- Center Contact: Beryllium Copper Plated Gold
- Insulators: PEI & PTFE
- Interfaces: PER MIL-STD-348A

Interface Dimensions





N MALE (mm)		
LTR	**MINIMUM**	**MAXIMUM**
A	15	17
B	3.3	3.5
C	1.3	1.55
D	8	8.035
E	10.1	10.3
F	5.36	5.46
G	1.62	1.65

N FEMALE (mm)		
LTR	**MINIMUM**	**MAXIMUM**
A	13.4	13.6
B	8.5	8.7
C	8.05	8.086
D	8.88	9.16
E	4.9	5.1
F	1.4	1.6
G	5.16	5.26
H	3.025	3.055
I	15.75	15.88

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PRECISION TYPE N CONNECTOR SERIES

TYPE N REMOVABLE FLANGE CONNECTORS

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.N80.18.4H1	N female 4-Hole	25.4 sq	18.3	0.018 / 0.46
RMC.N80.20.4H1	N female 4-Hole	25.4 sq	18.3	0.020 / 0.51
RMC.N80.36.4H1	N female 4-Hole	25.4 sq	18.3	0.036 / 0.91
RMC.N80.18.4H2	N female 4-Hole	17.5 sq	12.7	0.018 / 0.46
RMC.N80.20.4H2	N female 4-Hole	17.5 sq	12.7	0.020 / 0.51
RMC.N80.36,4H2	N female 4-Hole	17.5 sq	12.7	0.036 / 0.91
RMC.N80.18.4H3	N female 4-Hole	12.7 sq	8.64	0.018 / 0.46
RMC.N80.20.4H3	N female 4-Hole	12.7 sq	8.64	0.020 / 0.51
RMC.N80.36.4H3	N female 4-Hole	12.7 sq	8.64	0.036 / 0.91
RMC.N81.18.4H1	N male 4-Hole	25.4 sq	18.3	0.018 / 0.46
RMC.N81.20.4H1	N male 4-Hole	25.4 sq	18.3	0.020 / 0.51
RMC.N81.36.4H1	N male 4-Hole	25.4 sq	18.3	0.036 / 0.91

TYPE N BULKHEAD FLANGE CONNECTORS

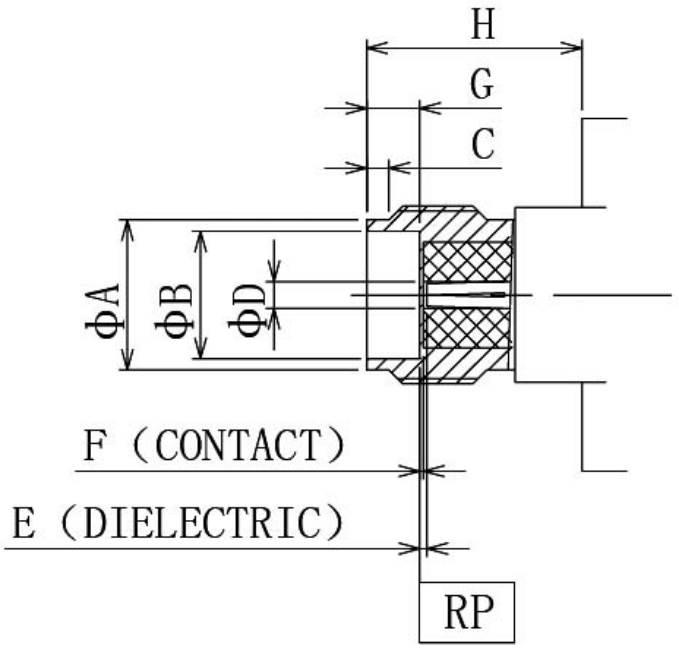
MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	PIN DIAMETER (inch / mm)
RMC.N80.05.B4H1	N female BH 4-Hole	25.4 sq	18.28	0.05 / 1.27
RMC.N80.05.B4H2	N female BH 4-Hole	17.52 sq	12.7	0.05 / 1.27
RMC.N80.05.B4H3	N female BH 4-Hole	12.7 sq	8.64	0.05 / 1.27
RMC.N80.05.B4H4	N female BH 4-Hole	28 x 18	21, 10	0.05 / 1.27

PRECISION SSMA CONNECTOR SERIES

FEATURES

- Nominal Impedance: 50 Ω
- Frequency range: DC-40GHz
- VSWR: DC-50GHz… 1.20 : 1 (Max)
- Durability; 500 cycles
- Operating Temperature: -60ºC˜ +165ºC
- Housing: Type 303 Stainless Steel - Polished & Passivated
- Center Contact: Beryllium Copper Plated Gold
- Insulators: PEI & PTFE
- Interfaces: PER MIL-STD-348A

Interface Dimensions



SSMA FEMALE (mm)		
LTR	MINIMUM	MAXIMUM
A	3.85	4.05
B	3.23	3.28
C	0.9	1.1
D	0.8373	0.8627
E	0	0.03
F	0	0.04
G	1.79	1.81
H	7.8	8.0

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PRECISION SSMA CONNECTOR SERIES

SSMA REMOVABLE FLANGE CONNECTORS

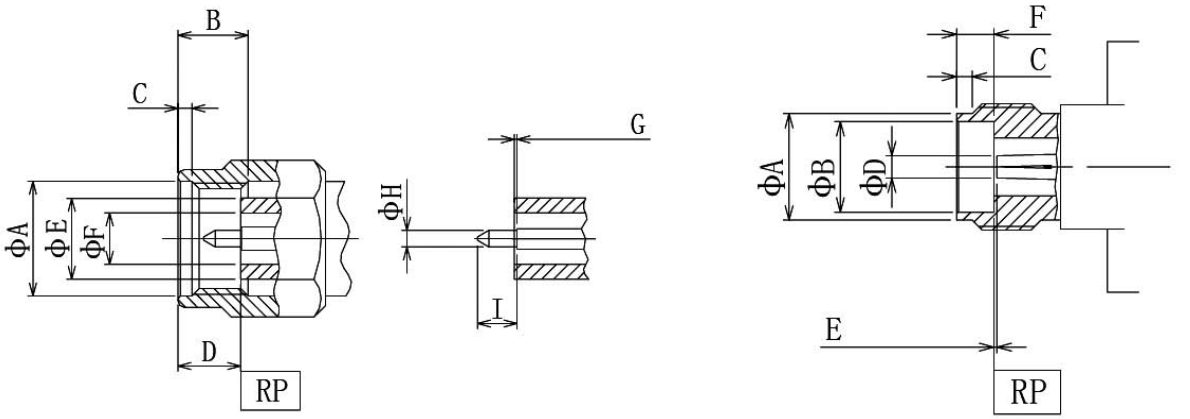
MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.SS0.12.4H1	SSMA female 4-Hole	12.7 sq	8.6	0.012 / 0.30
RMC.SS0.15.4H1	SSMA female 4-Hole	12.7 sq	8.6	0.015 / 0.38
RMC.SS0.18.4H1	SSMA female 4-Hole	12.7 sq	8.6	0.018 / 0.46
RMC.SS0.20.4H1	SSMA female 4-Hole	12.7 sq	8.6	0.020 / 0.51
RMC.SS0.12.4H2	SSMA female 4-Hole	9.5 sq	6.35	0.012 / 0.30
RMC.SS0.15.4H2	SSMA female 4-Hole	9.5 sq	6.35	0.015 / 0.38
RMC.SS0.18.4H2	SSMA female 4-Hole	9.5 sq	6.35	0.018 / 0.46
RMC.SS0.20.4H2	SSMA female 4-Hole	9.5 sq	6.35	0.020 / 0.51
RMC.SS0.12.4H3	SSMA female 4-Hole	12.7 x 9.5	8.64, 5.64	0.012 / 0.30
RMC.SS0.15.4H3	SSMA female 4-Hole	12.7 x 9.5	8.64, 5.64	0.015 / 0.38
RMC.SS0.18.4H3	SSMA female 4-Hole	12.7 x 9.5	8.64, 5.64	0.018 / 0.46
RMC.SS0.20.4H3	SSMA female 4-Hole	12.7 x 9.5	8.64, 5.64	0.020 / 0.51
RMC.SS0.12.2H4	SSMA female 2-Hole	15.8 x 5.7	12.2	0.012 / 0.30
RMC.SS0.15.2H4	SSMA female 2-Hole	15.8 x 5.7	12.2	0.015 / 0.38
RMC.SS0.18.2H4	SSMA female 2-Hole	15.8 x 5.7	12.2	0.018 / 0.46
RMC.SS0.20.2H4	SSMA female 2-Hole	15.8 x 5.7	12.2	0.020 / 0.51
RMC.SS0.12.2H5	SSMA female 2-Hole	14 x 4.8	10.2	0.012 / 0.30
RMC.SS0.15.2H5	SSMA female 2-Hole	14 x 4.8	10.2	0.015 / 0.38
RMC.SS0.18.2H5	SSMA female 2-Hole	14 x 4.8	10.2	0.018 / 0.46
RMC.SS0.20.2H5	SSMA female 2-Hole	14 x 4.8	10.2	0.020 / 0.51
RMC.SS0.12.2H6	SSMA female 2-Hole	12.7 x 4.8	8.9	0.012 / 0.30
RMC.SS0.15.2H6	SSMA female 2-Hole	12.7 x 4.8	8.9	0.015 / 0.38
RMC.SS0.18.2H6	SSMA female 2-Hole	12.7 x 4.8	8.9	0.018 / 0.46
RMC.SS0.20.2H6	SSMA female 2-Hole	12.7 x 4.8	8.9	0.020 / 0.51
RMC.SS0.12.2H7	SSMA female 2-Hole	12.7 x 4.8	8.6	0.012 / 0.30
RMC.SS0.15.2H7	SSMA female 2-Hole	12.7 x 4.8	8.6	0.015 / 0.38
RMC.SS0.18.2H7	SSMA female 2-Hole	12.7 x 4.8	8.6	0.018 / 0.46
RMC.SS0.20.2H7	SSMA female 2-Hole	12.7 x 4.8	8.6	0.020 / 0.51

2.92mm CONNECTOR SERIES

FEATURES

- Nominal Impedance: 50 Ω
- Frequency range: DC-40GHz
- VSWR: DC-40GHz… 1.15 : 1 (Max)
- Durability: 500 cycles
- Operating Temperature: -60ºC˜ +165ºC
- Housing: Type 303 Stainless Steel - Polished & Passivated
- Center Contact: Beryllium Copper Plated Gold
- Insulators: PEI
- Interfaces: PER MIL-STD-348A

Interface Dimensions



2.92mm MALE (mm)		
LTR	MINIMUM	MAXIMUM
A	6.5	6.6
B	4.0	4.0
C	0.8	0.8
D	2.82	3.18
E	4.55	4.58
F	2.90	2.94
G	0	0.06
H	0.920	0.934
I	1.295	1.450

2.92mm FEMALE (mm)		
LTR	MINIMUM	MAXIMUM
A	5.324	5.400
B	4.60	4.63
C	0.8	0.9
D	1.26	1.28
E	0	0.078
F	1.855	1.993
G	5.3	-

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2.92mm CONNECTOR SERIES

2.92mm REMOVABLE FLANGE CONNECTORS

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.290.12.4H1	2.92mm female 4-Hole	12.7 sq	8.6	0.012 / 0.30
RMC.290.15.4H1	2.92mm female 4-Hole	12.7 sq	8.6	0.015 / 0.38
RMC.290.18.4H1	2.92mm female 4-Hole	12.7 sq	8.6	0.018 / 0.46
RMC.290.20.4H1	2.92mm female 4-Hole	12.7 sq	8.6	0.020 / 0.51
RMC.290.12.4H2	2.92mm female 4-Hole	9.5 sq	6.35	0.012 / 0.30
RMC.290.15.4H2	2.92mm female 4-Hole	9.5 sq	6.35	0.015 / 0.38
RMC.290.18.4H2	2.92mm female 4-Hole	9.5 sq	6.35	0.018 / 0.46
RMC.290.20.4H2	2.92mm female 4-Hole	9.5 sq	6.35	0.020 / 0.51
RMC.290.12.4H3	2.92mm female 4-Hole	12.7 x 9.5	8.64, 5.64	0.012 / 0.30
RMC.290.15.4H3	2.92mm female 4-Hole	12.7 x 9.5	8.64, 5.64	0.015 / 0.38
RMC.290.18.4H3	2.92mm female 4-Hole	12.7 x 9.5	8.64, 5.64	0.018 / 0.46
RMC.290.20.4H3	2.92mm female 4-Hole	12.7 x 9.5	8.64, 5.64	0.020 / 0.51
RMC.290.12.2H4	2.92mm female 2-Hole	15.8 x 5.7	12.2	0.012 / 0.30
RMC.290.15.2H4	2.92mm female 2-Hole	15.8 x 5.7	12.2	0.015 / 0.38
RMC.290.18.2H4	2.92mm female 2-Hole	15.8 x 5.7	12.2	0.018 / 0.46
RMC.290.20.2H4	2.92mm female 2-Hole	15.8 x 5.7	12.2	0.020 / 0.51
RMC.290.12.2H5	2.92mm female 2-Hole	14 x 4.8	10.2	0.012 / 0.30
RMC.290.15.2H5	2.92mm female 2-Hole	14 x 4.8	10.2	0.015 / 0.38
RMC.290.18.2H5	2.92mm female 2-Hole	14 x 4.8	10.2	0.018 / 0.46
RMC.290.20.2H5	2.92mm female 2-Hole	14 x 4.8	10.2	0.020 / 0.51
RMC.290.12.2H6	2.92mm female 2-Hole	12.7 x 5.7	8.9	0.012 / 0.30
RMC.290.15.2H6	2.92mm female 2-Hole	12.7 x 5.7	8.9	0.015 / 0.38
RMC.290.18.2H6	2.92mm female 2-Hole	12.7 x 5.7	8.9	0.018 / 0.46
RMC.290.20.2H6	2.92mm female 2-Hole	12.7 x 5.7	8.9	0.020 / 0.51
RMC.290.12.2H7	2.92mm female 2-Hole	12.7 x 5.7	8.6	0.012 / 0.30
RMC.290.15.2H7	2.92mm female 2-Hole	12.7 x 5.7	8.6	0.015 / 0.38
RMC.290.18.2H7	2.92mm female 2-Hole	12.7 x 5.7	8.6	0.018 / 0.46
RMC.290.20.2H7	2.92mm female 2-Hole	12.7 x 5.7	8.6	0.020 / 0.51
RMC.291.12.4H1	2.92mm male 4-Hole	12.7 sq	8.6	0.012 / 0.30
RMC.291.15.4H1	2.92mm male 4-Hole	12.7 sq	8.6	0.015 / 0.38
RMC.291.18.4H1	2.92mm male 4-Hole	12.7 sq	8.6	0.018 / 0.46
RMC.291.20.4H1	2.92mm male 4-Hole	12.7 sq	8.6	0.020 / 0.51
RMC.291.12.4H2	2.92mm male 4-Hole	9.5 sq	6.35	0.012 / 0.30
RMC.291.15.4H2	2.92mm male 4-Hole	9.5 sq	6.35	0.015 / 0.38
RMC.291.18.4H2	2.92mm male 4-Hole	9.5 sq	6.35	0.018 / 0.46
RMC.291.20.4H2	2.92mm male 4-Hole	9.5 sq	6.35	0.020 / 0.51
RMC.291.12.4H3	2.92mm male 4-Hole	12.7 x 9.5	8.64, 5.64	0.012 / 0.30
RMC.291.15.4H3	2.92mm male 4-Hole	12.7 x 9.5	8.64, 5.64	0.015 / 0.38
RMC.291.18.4H3	2.92mm male 4-Hole	12.7 x 9.5	8.64, 5.64	0.018 / 0.46
RMC.291.20.4H3	2.92mm male 4-Hole	12.7 x 9.5	8.64, 5.64	0.020 / 0.51

2.92mm CONNECTOR SERIES

2.92mm REMOVABLE FLANGE CONNECTORS (cont.)

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.291.12.2H4	2.92mm male 2-Hole	15.8 x 5.7	12.2	0.012 / 0.30
RMC.291.15.2H4	2.92mm male 2-Hole	15.8 x 5.7	12.2	0.015 / 0.38
RMC.291.18.2H4	2.92mm male 2-Hole	15.8 x 5.7	12.2	0.018 / 0.46
RMC.291.20.2H4	2.92mm male 2-Hole	15.8 x 5.7	12.2	0.020 / 0.51
RMC.291.12.2H5	2.92mm male 2-Hole	14 x 4.8	10.2	0.012 / 0.30
RMC.291.15.2H5	2.92mm male 2-Hole	14 x 4.8	10.2	0.015 / 0.38
RMC.291.18.2H5	2.92mm male 2-Hole	14 x 4.8	10.2	0.018 / 0.46
RMC.291.20.2H5	2.92mm male 2-Hole	14 x 4.8	10.2	0.020 / 0.51
RMC.291.12.2H6	2.92mm male 2-Hole	12.7 x 5.7	8.9	0.012 / 0.30
RMC.291.15.2H6	2.92mm male 2-Hole	12.7 x 5.7	8.9	0.015 / 0.38
RMC.291.18.2H6	2.92mm male 2-Hole	12.7 x 5.7	8.9	0.018 / 0.46
RMC.291.20.2H6	2.92mm male 2-Hole	12.7 x 5.7	8.9	0.020 / 0.51

2.92mm THREAD-IN CONNECTORS

MODEL NUMBER	DESCRIPTION	OVERALL LENGTH (mm)	OVERALL DIAMETER (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.290.12.TH1	2.92mm female Thread-in	9.9	5.35	0.012 / 0.30
RMC.290.15.TH1	2.92mm female Thread-in	9.9	5.35	0.015 / 0.38
RMC.290.18.TH1	2.92mm female Thread-in	9.9	5.35	0.018 / 0.46
RMC.290.20.TH1	2.92mm female Thread-in	9.9	5.35	0.020 / 0.51
RMC.290.12.TH2	2.92mm female Thread-in	10.7	5.35	0.012 / 0.30
RMC.290.15.TH2	2.92mm female Thread-in	10.7	5.35	0.015 / 0.38
RMC.290.18.TH2	2.92mm female Thread-in	10.7	5.35	0.018 / 0.46
RMC.290.20.TH2	2.92mm female Thread-in	10.7	5.35	0.020 / 0.51

2.92mm BULKHEAD FLANGE CONNECTORS

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	PIN DIAMETER & LENGTH (inch / mm)
RMC.291.**.B4H1	2.92mm male BH 4-Hole	12.7 sq	8.6	SPECIFY
RMC.291.**.B4H2	2.92mm male BH 4-Hole	9.5 sq	6.35	SPECIFY
RMC.291.**.B4H3	2.92mm male BH 4-Hole	12.7 x 9.5	8.64, 5.64	SPECIFY
RMC.291.**.B2H4	2.92mm male BH 2-Hole	15.8 x 5.7	12.2	SPECIFY
RMC.291.**.B2H5	2.92mm male BH 2-Hole	14 x 4.8	10.2	SPECIFY
RMC.291.**.B2H6	2.92mm male BH 2-Hole	12.7 x 5.7	8.9	SPECIFY
RMC.290.**.B4H1	2.92mm female BH 4-Hole	12.7 sq	8.6	SPECIFY
RMC.290.**.B4H2	2.92mm female BH 4-Hole	9.5 sq	6.35	SPECIFY
RMC.290.**.B4H3	2.92mm female BH 4-Hole	12.7 x 9.5	8.64, 5.64	SPECIFY
RMC.290.**.B2H4	2.92mm female BH 2-Hole	15.8 x 5.7	12.2	SPECIFY
RMC.290.**.B2H5	2.92mm female BH 2-Hole	14 x 4.8	10.2	SPECIFY
RMC.290.**.B2H6	2.92mm female BH 2-Hole	12.7 x 5.7	8.9	SPECIFY

Note: * * = pin diameter and length

2.92 EDGE LAUNCH CONNECTORS

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	PCB THICKNESS (inch)	PIN DIAMETER (inch / mm)
RMC.290.12.EL3	SMA female	7.5 dia	0.062	0.012 / 0.3
RMC.291.12.EL3	SMA male	7.5 dia	0.062	0.012 / 0.3

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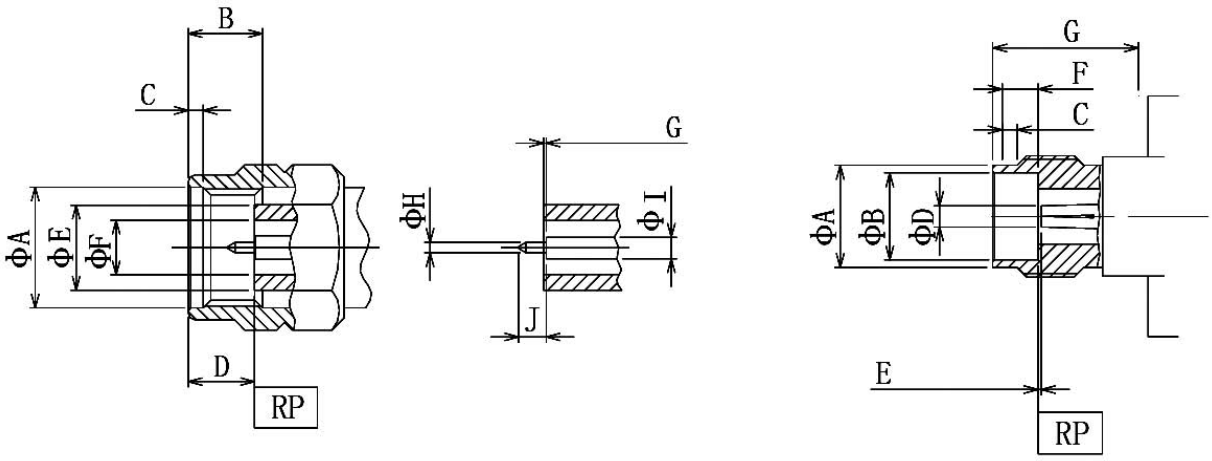
2.4mm CONNECTOR SERIES

FEATURES

- Nominal Impedance: 50 Ω
- Frequency range: DC-50GHz
- VSWR: DC-50GHz… 1.15 : 1 (Max)
- Durability; 500 cycles
- Operating Temperature: -60ºC˜ +165ºC
- Housing: Type 303 Stainless Steel - Polished & Passivated
- Center Contact: Beryllium Copper Plated Gold
- Insulators: PEI
- Interfaces: PER MIL-STD-348A

Interface Dimensions



2.4mm MALE (mm)		
LTR	MINIMUM	MAXIMUM
A	7.05	7.15
B	4.0	4.0
C	0.8	0.8
D	1.7	1.9
E	4.725	4.750
F	2.385	2.415
G	0	0.055
H	0.49	0.51
I	1.032	1.052
J	1.305	1.45

2.4mm FEMALE (mm)		
LTR	MINIMUM	MAXIMUM
A	5.7	5.9
B	4.770	4.795
C	1.4	1.6
D	1.12	1.14
E	0	0.055
F	3.00	3.08
G	6.4	-

2.4mm CONNECTOR SERIES

2.4mm REMOVABLE FLANGE CONNECTORS

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.240.12.4H1	2.4mm female 4-Hole	12.7 sq	8.6	0.012 / 0.30
RMC.240.15.4H1	2.4mm female 4-Hole	12.7 sq	8.6	0.015 / 0.38
RMC.240.18.4H1	2.4mm female 4-Hole	12.7 sq	8.6	0.018 / 0.46
RMC.240.20.4H1	2.4mm female 4-Hole	12.7 sq	8.6	0.020 / 0.51
RMC.240.12.4H2	2.4mm female 4-Hole	9.5 sq	6.35	0.012 / 0.30
RMC.240.15.4H2	2.4mm female 4-Hole	9.5 sq	6.35	0.015 / 0.38
RMC.240.18.4H2	2.4mm female 4-Hole	9.5 sq	6.35	0.018 / 0.46
RMC.240.20.4H2	2.4mm female 4-Hole	9.5 sq	6.35	0.020 / 0.51
RMC.240.12.4H3	2.4mm female 4-Hole	12.7 x 9.5	8.64, 5.64	0.012 / 0.30
RMC.240.15.4H3	2.4mm female 4-Hole	12.7 x 9.5	8.64, 5.64	0.015 / 0.38
RMC.240.18.4H3	2.4mm female 4-Hole	12.7 x 9.5	8.64, 5.64	0.018 / 0.46
RMC.240.20.4H3	2.4mm female 4-Hole	12.7 x 9.5	8.64, 5.64	0.020 / 0.51
RMC.240.12.2H4	2.4mm female 2-Hole	15.8 x 5.7	12.2	0.012 / 0.30
RMC.240.15.2H4	2.4mm female 2-Hole	15.8 x 5.7	12.2	0.015 / 0.38
RMC.240.18.2H4	2.4mm female 2-Hole	15.8 x 5.7	12.2	0.018 / 0.46
RMC.240.20.2H4	2.4mm female 2-Hole	15.8 x 5.7	12.2	0.020 / 0.51
RMC.240.12.2H5	2.4mm female 2-Hole	14 x 4.8	10.2	0.012 / 0.30
RMC.240.15.2H5	2.4mm female 2-Hole	14 x 4.8	10.2	0.015 / 0.38
RMC.240.18.2H5	2.4mm female 2-Hole	14 x 4.8	10.2	0.018 / 0.46
RMC.240.20.2H5	2.4mm female 2-Hole	14 x 4.8	10.2	0.020 / 0.51
RMC.240.12.2H6	2.4mm female 2-Hole	12.7 x 5.7	8.9	0.012 / 0.30
RMC.240.15.2H6	2.4mm female 2-Hole	12.7 x 5.7	8.9	0.015 / 0.38
RMC.240.18.2H6	2.4mm female 2-Hole	12.7 x 5.7	8.9	0.018 / 0.46
RMC.240.20.2H6	2.4mm female 2-Hole	12.7 x 5.7	8.9	0.020 / 0.51
RMC.240.12.2H7	2.4mm female 2-Hole	12.7 x 5.7	8.6	0.012 / 0.30
RMC.240.15.2H7	2.4mm female 2-Hole	12.7 x 5.7	8.6	0.015 / 0.38
RMC.240.18.2H7	2.4mm female 2-Hole	12.7 x 5.7	8.6	0.018 / 0.46
RMC.240.20.2H7	2.4mm female 2-Hole	12.7 x 5.7	8.6	0.020 / 0.51
RMC.241.12.4H1	2.4mm male 4-Hole	12.7 sq	8.6	0.012 / 0.30
RMC.241.15.4H1	2.4mm male 4-Hole	12.7 sq	8.6	0.015 / 0.38
RMC.241.18.4H1	2.4mm male 4-Hole	12.7 sq	8.6	0.018 / 0.46
RMC.241.20.4H1	2.4mm male 4-Hole	12.7 sq	8.6	0.020 / 0.51
RMC.241.12.4H2	2.4mm male 4-Hole	9.5 sq	6.35	0.012 / 0.30
RMC.241.15.4H2	2.4mm male 4-Hole	9.5 sq	6.35	0.015 / 0.38
RMC.241.18.4H2	2.4mm male 4-Hole	9.5 sq	6.35	0.018 / 0.46

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2.4mm CONNECTOR SERIES

2.4mm REMOVABLE FLANGE CONNECTORS (cont.)

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.241.20.4H2	2.4mm male 4-Hole	9.5 sq	6.35	0.020 / 0.51
RMC.241.12.4H3	2.4mm male 4-Hole	12.7 x 9.5	8.64, 5.64	0.012 / 0.30
RMC.241.15.4H3	2.4mm male 4-Hole	12.7 x 9.5	8.64, 5.64	0.015 / 0.38
RMC.241.18.4H3	2.4mm male 4-Hole	12.7 x 9.5	8.64, 5.64	0.018 / 0.46
RMC.241.20.4H3	2.4mm male 4-Hole	12.7 x 9.5	8.64, 5.64	0.020 / 0.51
RMC.241.12.2H4	2.4mm male 2-Hole	15.8 x 5.7	12.2	0.012 / 0.30
RMC.241.15.2H4	2.4mm male 2-Hole	15.8 x 5.7	12.2	0.015 / 0.38
RMC.241.18.2H4	2.4mm male 2-Hole	15.8 x 5.7	12.2	0.018 / 0.46
RMC.241.20.2H4	2.4mm male 2-Hole	15.8 x 5.7	12.2	0.020 / 0.51
RMC.241.12.2H5	2.4mm male 2-Hole	14 x 4.8	10.2	0.012 / 0.30
RMC.241.15.2H5	2.4mm male 2-Hole	14 x 4.8	10.2	0.015 / 0.38
RMC.241.18.2H5	2.4mm male 2-Hole	14 x 4.8	10.2	0.018 / 0.46
RMC.241.20.2H5	2.4mm male 2-Hole	14 x 4.8	10.2	0.020 / 0.51
RMC.241.12.2H6	2.4mm male 2-Hole	12.7 x 5.7	8.9	0.012 / 0.30
RMC.241.15.2H6	2.4mm male 2-Hole	12.7 x 5.7	8.9	0.015 / 0.38
RMC.241.18.2H6	2.4mm male 2-Hole	12.7 x 5.7	8.9	0.018 / 0.46
RMC.241.20.2H6	2.4mm male 2-Hole	12.7 x 5.7	8.9	0.020 / 0.51

2.4mm THREAD-IN CONNECTORS

MODEL NUMBER	DESCRIPTION	OVERALL LENGTH (mm)	OVERALL DIAMETER (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.240.12.TH1	2.4mm female Thread-in	11.7	6.35	0.012 / 0.30
RMC.240.15.TH1	2.4mm female Thread-in	11.7	6.35	0.015 / 0.38
RMC.240.18.TH1	2.4mm female Thread-in	11.7	6.35	0.018 / 0.46
RMC.240.20.TH1	2.4mm female Thread-in	11.7	6.35	0.020 / 0.51

2.4mm BULKHEAD FLANGE CONNECTORS

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	PIN DIAMETER & LENGTH (inch / mm)
RMC.241.**.4H1	2.4mm male BH 4-Hole	12.7 sq	8.6	SPECIFY
RMC.241.**.4H2	2.4mm male BH 4-Hole	9.5 sq	6.35	SPECIFY
RMC.241.**.4H3	2.4mm male BH 4-Hole	12.7 x 9.5	8.64, 5.64	SPECIFY
RMC.241.**.2H4	2.4mm male BH 2-Hole	15.8 x 5.7	12.2	SPECIFY
RMC.241.**.2H5	2.4mm male BH 2-Hole	14 x 4.8	10.2	SPECIFY
RMC.241.**.2H6	2.4mm male BH 2-Hole	12.7 x 5.7	8.9	SPECIFY
RMC.240.**.4H1	2.4mm female BH 4-Hole	12.7 sq	8.6	SPECIFY
RMC.240.**.4H2	2.4mm female BH 4-Hole	9.5 sq	6.35	SPECIFY
RMC.240.**.4H3	2.4mm female BH 4-Hole	12.7 x 9.5	8.64, 5.64	SPECIFY
RMC.240.**.2H4	2.4mm female BH 2-Hole	15.8 x 5.7	12.2	SPECIFY
RMC.240.**.2H5	2.4mm female BH 2-Hole	14 x 4.8	10.2	SPECIFY
RMC.240.**.2H6	2.4mm female BH 2-Hole	12.7 x 5.7	8.9	SPECIFY

Note: * * = pin diameter and length

1.85mm CONNECTOR SERIES

FEATURES

- Nominal Impedance: 50 Ω
- Frequency range: DC-65GHz
- VSWR: DC-65GHz… 1.30 : 1 (Max)
- Durability; 500 cycles
- Operating Temperature: -60ºC +165ºC
- Housing: Type 303 Stainless Steel - Polished & Passivated
- Center Contact: Beryllium Copper Plated Gold
- Insulators: PEI
- Interfaces: PER MIL-STD-348A

1.85mm REMOVABLE FLANGE CONNECTORS

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.180.12.4H1	1.85mm female 4-Hole	12.7 sq	8.6	0.012 / 0.30
RMC.180.15.4H1	1.85mm female 4-Hole	12.7 sq	8.6	0.015 / 0.38
RMC.180.18.4H1	1.85mm female 4-Hole	12.7 sq	8.6	0.018 / 0.46
RMC.180.20.4H1	1.85mm female 4-Hole	12.7 sq	8.6	0.020 / 0.51
RMC.180.12.4H2	1.85mm female 4-Hole	9.5 sq	6.35	0.012 / 0.30
RMC.180.15.4H2	1.85mm female 4-Hole	9.5 sq	6.35	0.015 / 0.38
RMC.180.18.4H2	1.85mm female 4-Hole	9.5 sq	6.35	0.018 / 0.46
RMC.180.20.4H2	1.85mm female 4-Hole	9.5 sq	6.35	0.020 / 0.51
RMC.180.12.4H3	1.85mm female 4-Hole	12.7 x 9.5	8.64, 5.64	0.012 / 0.30
RMC.180.15.4H3	1.85mm female 4-Hole	12.7 x 9.5	8.64, 5.64	0.015 / 0.38
RMC.180.18.4H3	1.85mm female 4-Hole	12.7 x 9.5	8.64, 5.64	0.018 / 0.46
RMC.180.20.4H3	1.85mm female 4-Hole	12.7 x 9.5	8.64, 5.64	0.020 / 0.51
RMC.180.12.2H4	1.85mm female 2-Hole	15.8 x 5.7	12.2	0.012 / 0.30
RMC.180.15.2H4	1.85mm female 2-Hole	15.8 x 5.7	12.2	0.015 / 0.38
RMC.180.18.2H4	1.85mm female 2-Hole	15.8 x 5.7	12.2	0.018 / 0.46
RMC.180.20.2H4	1.85mm female 2-Hole	15.8 x 5.7	12.2	0.020 / 0.51
RMC.180.12.2H5	1.85mm female 2-Hole	14 x 4.8	10.2	0.012 / 0.30
RMC.180.15.2H5	1.85mm female 2-Hole	14 x 4.8	10.2	0.015 / 0.38
RMC.180.18.2H5	1.85mm female 2-Hole	14 x 4.8	10.2	0.018 / 0.46
RMC.180.20.2H5	1.85mm female 2-Hole	14 x 4.8	10.2	0.020 / 0.51
RMC.180.12.2H6	1.85mm female 2-Hole	12.7 x 5.7	8.9	0.012 / 0.30
RMC.180.15.2H6	1.85mm female 2-Hole	12.7 x 5.7	8.9	0.015 / 0.38
RMC.180.18.2H6	1.85mm female 2-Hole	12.7 x 5.7	8.9	0.018 / 0.46
RMC.180.20.2H6	1.85mm female 2-Hole	12.7 x 5.7	8.9	0.020 / 0.51
RMC.180.12.2H7	1.85mm female 2-Hole	12.7 x 5.7	8.6	0.012 / 0.30
RMC.180.15.2H7	1.85mm female 2-Hole	12.7 x 5.7	8.6	0.015 / 0.38
RMC.180.18.2H7	1.85mm female 2-Hole	12.7 x 5.7	8.6	0.018 / 0.46
RMC.180.20.2H7	1.85mm female 2-Hole	12.7 x 5.7	8.6	0.020 / 0.51
RMC.181.12.4H1	1.85mm male 4-Hole	12.7 sq	8.6	0.012 / 0.30
RMC.181.15.4H1	1.85mm male 4-Hole	12.7 sq	8.6	0.015 / 0.38
RMC.181.18.4H1	1.85mm male 4-Hole	12.7 sq	8.6	0.018 / 0.46
RMC.181.20.4H1	1.85mm male 4-Hole	12.7 sq	8.6	0.020 / 0.51
RMC.181.12.4H2	1.85mm male 4-Hole	9.5 sq	6.35	0.012 / 0.30
RMC.181.15.4H2	1.85mm male 4-Hole	9.5 sq	6.35	0.015 / 0.38
RMC.181.18.4H2	1.85mm male 4-Hole	9.5 sq	6.35	0.018 / 0.46

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1.85mm CONNECTOR SERIES

1.85mm REMOVABLE FLANGE CONNECTORS (cont.)

MODEL NUMBER	DESCRIPTION	FLANGE DIMENSION (mm)	CL HOLE SPACING (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.181.20.4H2	1.85mm male 4-Hole	9.5 sq	6.35	0.020 / 0.51
RMC.181.12.4H3	1.85mm male 4-Hole	12.7 x 9.5	8.64, 5.64	0.012 / 0.30
RMC.181.15.4H3	1.85mm male 4-Hole	12.7 x 9.5	8.64, 5.64	0.015 / 0.38
RMC.181.18.4H3	1.85mm male 4-Hole	12.7 x 9.5	8.64, 5.64	0.018 / 0.46
RMC.181.20.4H3	1.85mm male 4-Hole	12.7 x 9.5	8.64, 5.64	0.020 / 0.51
RMC.181.12.2H4	1.85mm male 2-Hole	15.8 x 5.7	12.2	0.012 / 0.30
RMC.181.15.2H4	1.85mm male 2-Hole	15.8 x 5.7	12.2	0.015 / 0.38
RMC.181.18.2H4	1.85mm male 2-Hole	15.8 x 5.7	12.2	0.018 / 0.46
RMC.181.20.2H4	1.85mm male 2-Hole	15.8 x 5.7	12.2	0.020 / 0.51
RMC.181.0122H5	1.85mm male 2-Hole	14 x 4.8	10.2	0.012 / 0.30
RMC.181.15.2H5	1.85mm male 2-Hole	14 x 4.8	10.2	0.015 / 0.38
RMC.181.18.2H5	1.85mm male 2-Hole	14 x 4.8	10.2	0.018 / 0.46
RMC.181.20.2H5	1.85mm male 2-Hole	14 x 4.8	10.2	0.020 / 0.51
RMC.181.12.2H6	1.85mm male 2-Hole	12.7 x 5.7	8.9	0.012 / 0.30
RMC.181.15.2H6	1.85mm male 2-Hole	12.7 x 5.7	8.9	0.015 / 0.38
RMC.181.18.2H6	1.85mm male 2-Hole	12.7 x 5.7	8.9	0.018 / 0.46
RMC.181.20.2H6	1.85mm male 2-Hole	12.7 x 5.7	8.9	0.020 / 0.51

1.85mm THREAD-IN CONNECTORS

MODEL NUMBER	DESCRIPTION	OVERALL LENGTH (mm)	OVERALL DIAMETER (mm)	RECEPTACLE DIAMETER (inch / mm)
RMC.180.18.TH2	1.85mm female Thread-in	11.3	4.83	0.018 / 0.46
RMC.180.12.TH1	1.85mm female Thread-in	11.3	4.83	0.012 / 0.30
RMC.180.15.TH1	1.85mm female Thread-in	11.3	4.83	0.015 / 0.38
RMC.180.18.TH1	1.85mm female Thread-in	11.3	4.83	0.018 / 0.46
RMC.180.20.TH1	1.85mm female Thread-in	11.3	4.83	0.020 / 0.51

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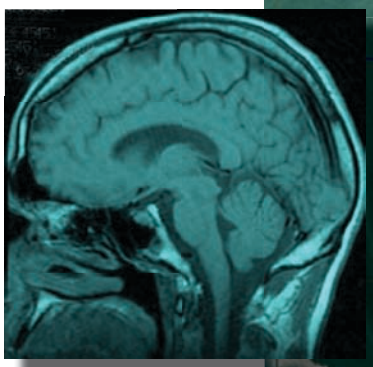

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Response Microwave, Inc.
94 Jackson Rd. Suite 110 Devens, MA 01434
Phone: (978)-772-3767 Fax: (978)-772-3768 Email: info@responsemicrowave.com
www.responsemicrowave.com