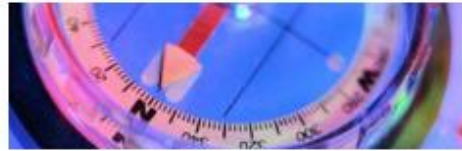




INTEGRATED PASSIVE COMPONENT



Balun Filter/Matched Balun Filters
Common Mode Filters
Low Pass/EMI Filters
Band Pass Filters
Chip Antennas
Diplexers
Baluns

RoHS Compliant
HALOGEN Free

DESIGNING THE CUTTING EDGE

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* Frontier Electronics, Corp. reserves the right to make product design changes without notice.
Frontier Electronics' standard terms and conditions are applicable to all listed products unless otherwise specified.



Part Number Description

AT	1575	A	2312	A	T		
Product Code	Working Frequency	Case Style	Case Size	Version	Packaging	Termination	Reserved
AT: Antenna	1575 = 1.575 GHz	A	2312	A	T: 7" Paper Tape	Blank: Cu/Ni/Sn	

Electrical Specifications

Part Number **	Frequency Range (MHz)	Gain (dBi)	VSWR (max.)	Impedance (Ω)	Polarization	Size (mm)	Case Style*
AT0433A4716AT	428 ~ 737	-3.3	3	50	Linear	12.0 X4.00 X 1.50	A

Part Number **	Frequency Range (MHz)	Gain (dBi)	VSWR (max.)	Impedance (Ω)	Polarization	Size (mm)	Case Style*
AT1575A3913AT	1550 ~ 1600	2 ~ 3	2	50	Linear	10.0 x 3.20 x 0.80	A
AT1575A1306AT	1550 ~ 1600	3	2	50	Linear	3.20 x 1.60 x 0.60	A

Part Number **	Frequency Range (MHz)	Gain (dBi)	VSWR (max.)	Impedance (Ω)	Polarization	Size (mm)	Case Style*
AT2450A1306AT	2400 ~ 2500	2	2	50	Linear	3.20 x 1.60 x 1.20	A
AT2450A1306BT	2400 ~ 2500	2	2	50	Linear	3.20 x 1.60 x 1.20	A
AT2450A1306CT	2400 ~ 2500	2	2	50	Linear	3.20 x 1.60 x 1.20	A
AT2450A1306DT	2400 ~ 2500	2	2.1	50	Linear	3.20 x 1.60 x 0.60	A
AT2450A2008AT	2400 ~ 2500	2	2	50	Linear	5.20 x 2.00 x 1.10	A
AT2450A2008CT	2400 ~ 2500	2	2	50	Linear	5.20 x 2.00 x 1.10	A
AT2450C3014AT	2400 ~ 2500	0 ~ 2	2	50	Linear	7.60 x 3.50 x 1.10	C
AT2450A3104AT	2400 ~ 2500	2	2	50	Linear	8.00 x 1.00 x 0.80	A
AT2450E7512AT	2400 ~ 2500	2	2	50	Linear	19.0 x 3.00 x 3.80	E
AT2450E7512BT	2400 ~ 2500	2	2	50	Linear	19.0 x 3.00 x 3.80	E
AT2450D4015AT	2400 ~ 2550	2	2	50	Linear	9.90 x 3.70 x 3.80	D
AT2450G4716AT	2400 ~ 2500	2	2	50	Linear	12.0 x 4.00 x 2.00	G

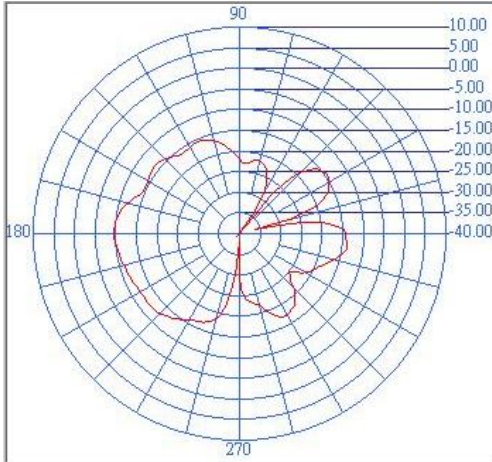
Part Number **	Frequency Range (MHz)	Gain (dBi)	VSWR (max.)	Impedance (Ω)	Polarization	Size (mm)	Case Style*
AT5375A1306AT	4900 ~ 5850	2.8	2	50	Linear	3.20 x 1.60 x 0.60	A

* [See page 20 for Case Style Specifications](#)

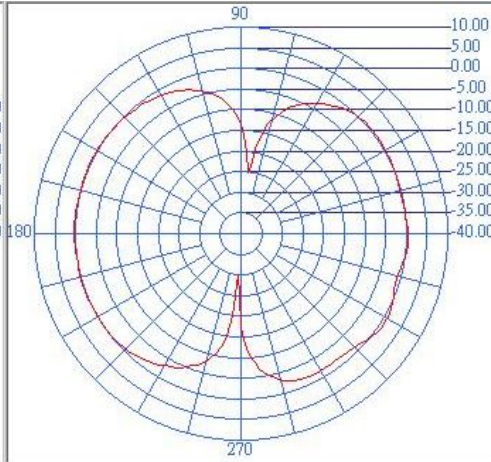
** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

Electrical Characteristics (Typical)

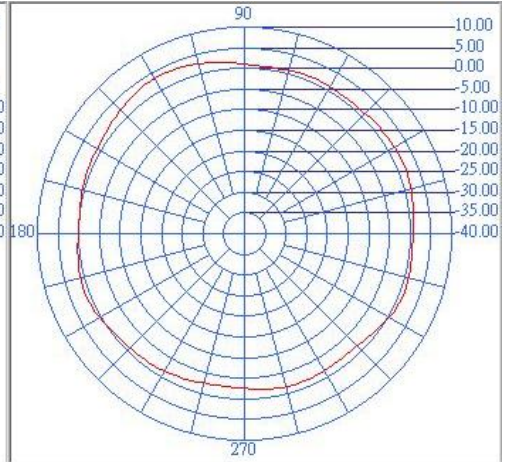
AT2450A1306DT
2400~2500 MHz, 2.1 VSWR, 50Ω, Linear Polarization, 3.2 x 1.6 x 0.6 (mm)



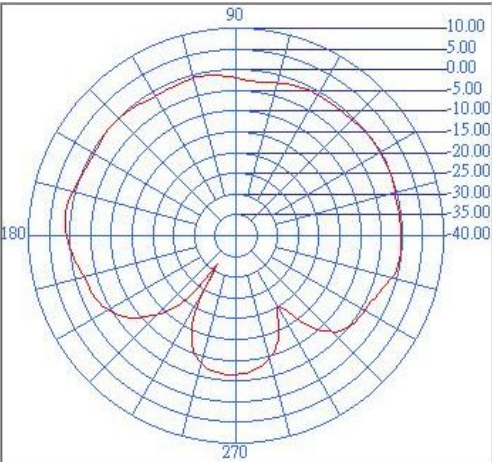
X-Y Plane Vertical
Peak Gain: 3.37 dBi
Average Gain: -0.65 dBi



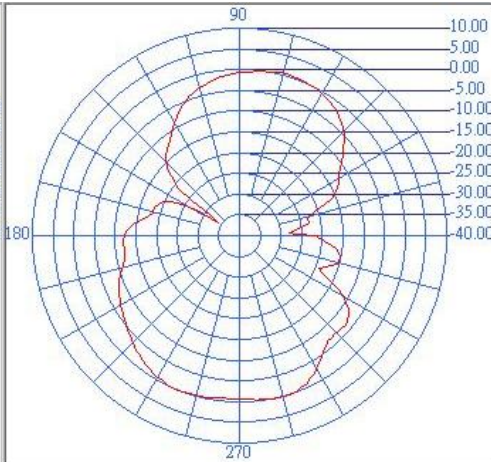
X-Z Plane Vertical
Peak Gain: 0.83 dBi
Average Gain: -1.35 dBi



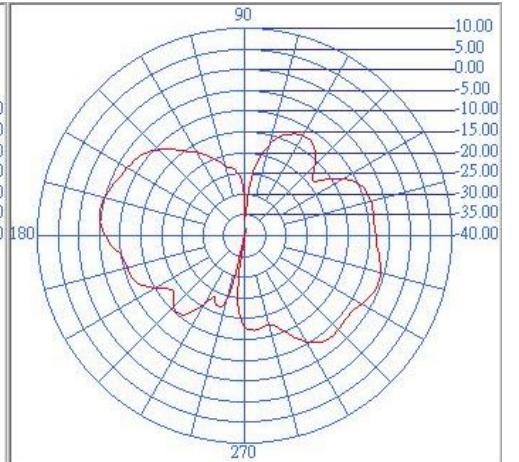
Y-Z Plane Vertical
Peak Gain: -9.59 dBi
Average Gain: -15.40 dBi



X-Y Plane Horizontal
Peak Gain: -4.62 dBi
Average Gain: -10.42 dBi



X-Z Plane Horizontal
Peak Gain: 0.51 dBi
Average Gain: -4.07 dBi



Y-Z Plane Horizontal
Peak Gain: 1.39 dBi
Average Gain: -2.07 dBi

Part Number Description

BL	2500	K	0603	1	T	
Product Code	Working Frequency	Case Style	Case Size	Inductance Ratio	Packaging	Termination
BL: Balun BD: Balun, Dual	BL: 2500 = 2.5 GHz BD: 09XX=0.9GHz XX19=1.9GHz	K	0603	1: 1:1 2: 1:2 4: 1:4	T: 7" Paper Tape	Blank: Cu/Ni/Sn

Electrical Specifications

ISM Band (2.4GHz ~ 2.5GHz)

Part Number	Frequency Range (MHz)	Impedance(Ω)		Return Loss (dB) min	Insertion Loss (dB)	Amplitude Difference (dB) max	Size (mm)	Case Style
		Unbalanced	Balanced					
BL2450K06031T	2400 ~ 2500	50	50	10	1.2	2	1.60 x 0.80 x 0.50	K
BL2450K08051T	2400 ~ 2500	50	50	10	1.2	2	2.00 x 1.25 x 0.95	K
BL2450K08052T	2400	50	100	10	1	2	2.00 x 1.25 x 0.95	K
BL2450K08054T	2400	50	200	10	1	2	2.00 x 1.25 x 0.95	K

ISM Band (5GHz)

Part Number	Frequency Range (MHz)	Impedance(Ω)		Return Loss (dB) min	Insertion Loss (dB)	Amplitude Difference (dB) max	Size (mm)	Case Style
		Unbalanced	Balanced					
BL5200K08051T	4900/5200/5800	50	50	10	1.1	2	2.00 x 1.25 x 0.95	K
BL5200K08052T	4900/5200/5800	50	100	10	1.2	2	2.00 x 1.25 x 0.95	K

DUAL BALUN

GSM 850 – GSM 900 / DCS 1800 – PCS 1900

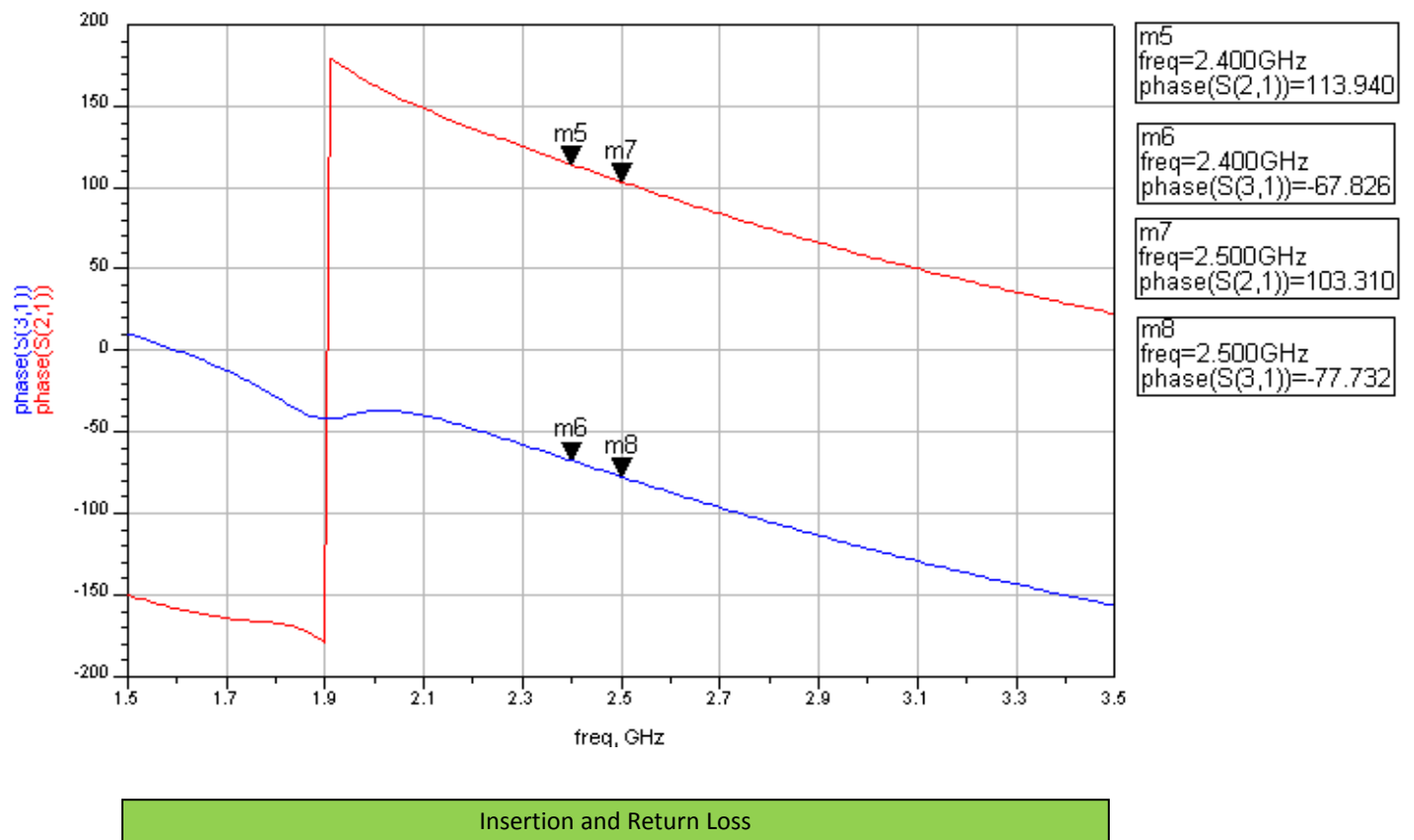
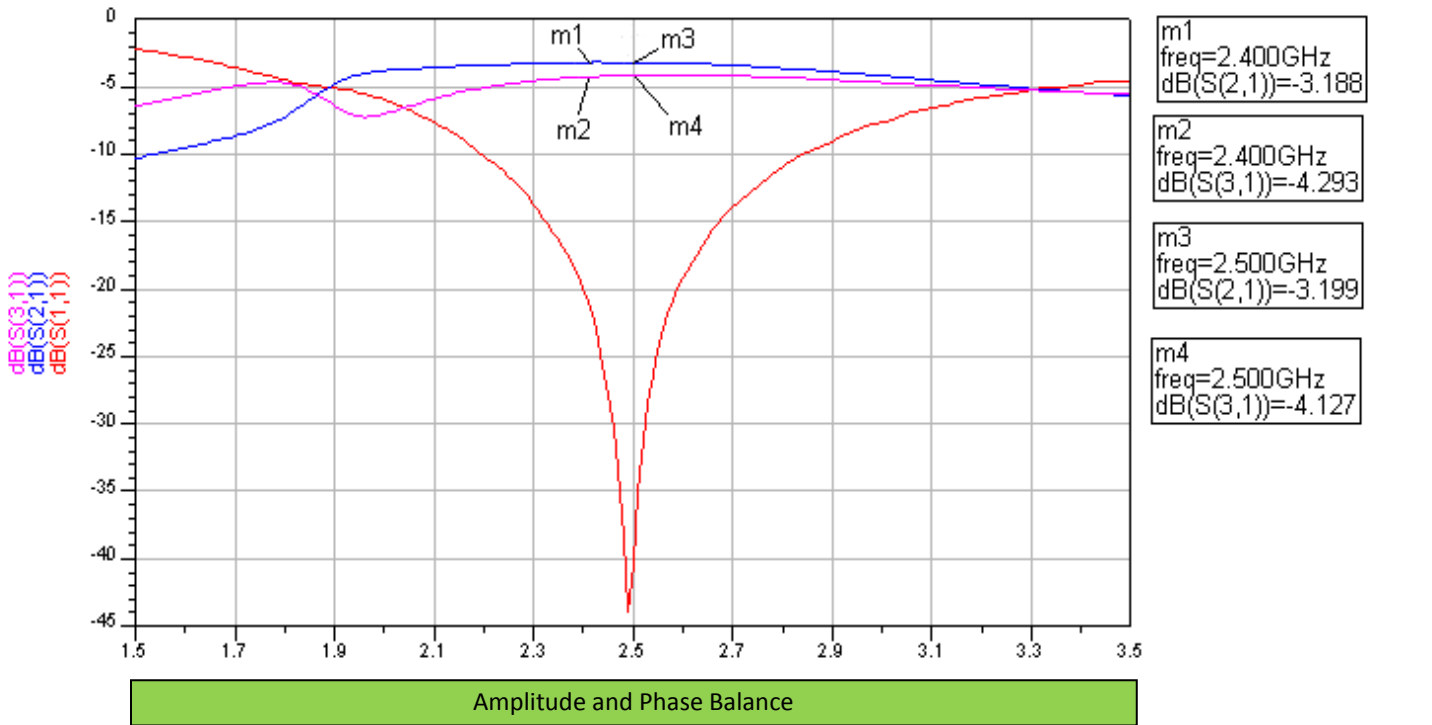
Part Number	Frequency Range (MHz)	Impedance(Ω)		Return Loss (dB) min	Insertion Loss (dB)	Amplitude Difference (dB) max	Attenuation (dB) min	Size (mm)	Case Style
		Unbalanced	Balanced						
BD0919N08054T	869 ~ 960	50	200	10	1.1 (25°C) 1.3 (-40~+85°C)	2	10 (1738~1920MHz) 20 (2400~2500MHz) 20 (2607~2880MHz)	2.00 x 1.25 x 0.90	N
	1805 ~ 1990	50	200	10	1.6 (25°C) 1.8 (-40~+85°C)	2	15 (2400~2500MHz) 15 (3610~3980MHz) 20 (5415~5970MHz)		

* [See page 21 for Case Style Specifications](#)

** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

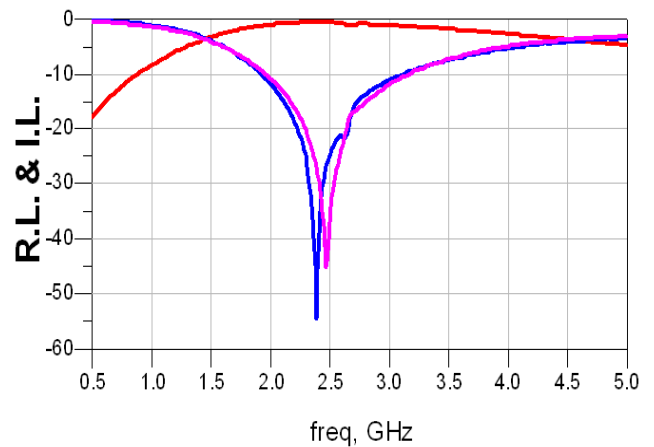
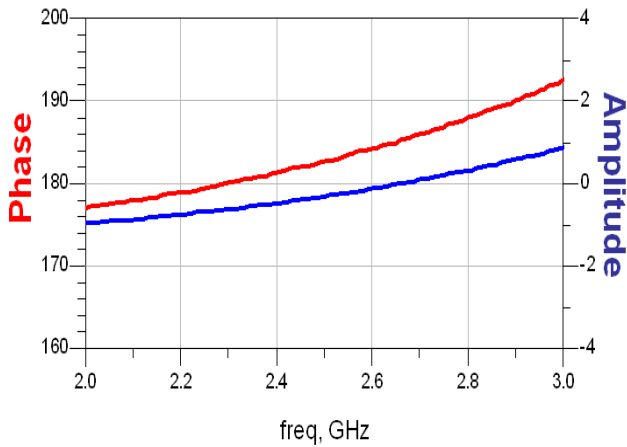
Electrical Characteristics (Typical)

BL2450K08051T
 2400~2500 MHz, Impedance Balanced/Unbalanced 50/50, 0.9dB IL max, 2dB Amplitude diff. max ,
 1.6 X 0.85 X 0.4 (mm)



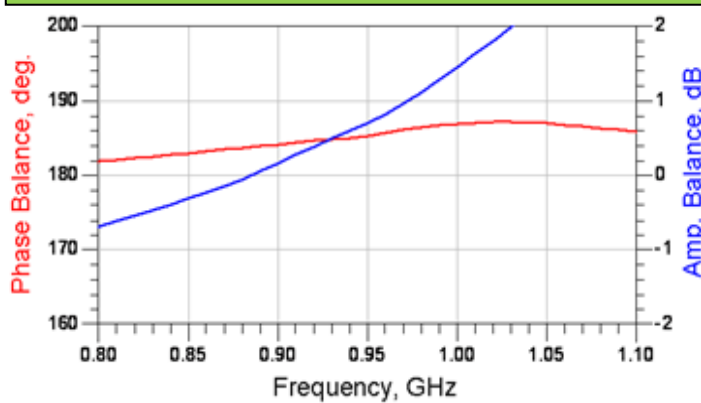
Electrical Characteristics (Typical)

BL2450K06031T
 2400~2500 MHz, Impedance Balanced/Unbalanced 50/50, 10dB RL min, 1.2dB IL max, 2dB Amplitude diff. max,
 (1.6 X 0.8 X 0.6 (mm))

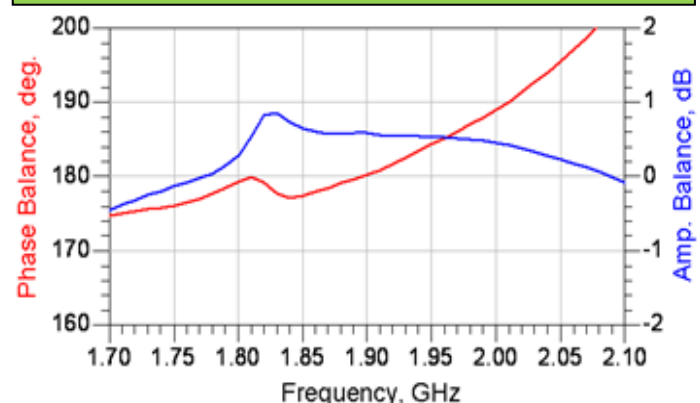


BD0919N08054T
 869~960/1805~1990 MHz, Impedance Balanced/Unbalanced 50/200, 10dB RL min, 1.8dB IL max, 2dB Amplitude diff. max
 (2.0 X 1.25 X 0.9 (mm))

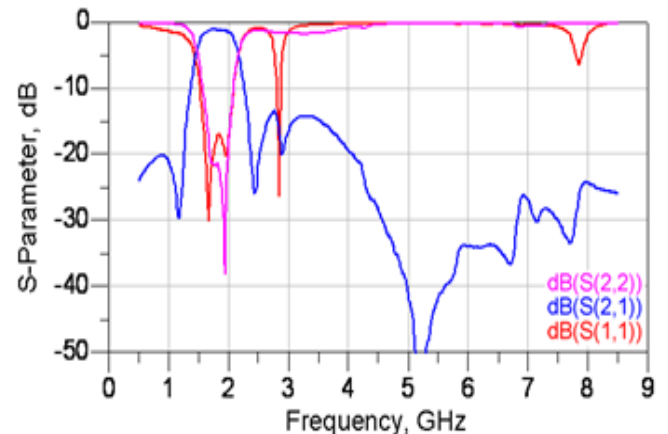
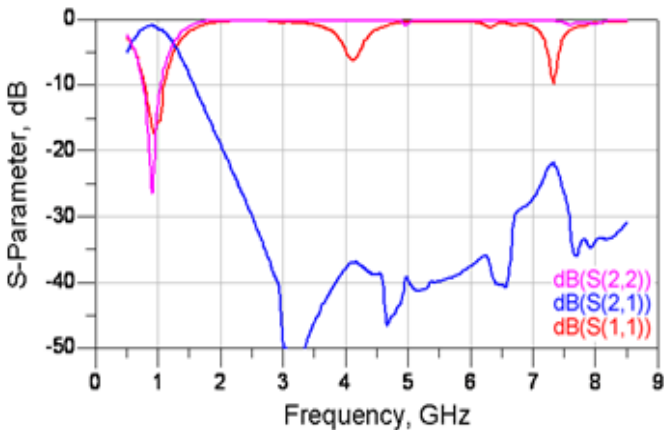
Low Band



High Band



Amplitude and Phase Balance



Insertion and Return Loss

Part Number Description

BM	2450	E	0603	A	T	
Product Code	Working Frequency	Case Style	Case Size	Version	Packaging	Termination
BF: Balun Filter BM: Balun Matched Filter	2450: 2450MHz	E	0603	A	T: 7" Paper Tape	Blank: Cu/Ni/Sn

Electrical Specifications

BALUN FILTERS

2.4GHz ~ 2.5GHz operational frequency range (1 of 2)

Part Number	Frequency Range (MHz)	Impedance(Ω)		Insertion Loss (dB)	Attenuation (dB) min	VSWR (max)	Size (mm)	Case Style
		Unbalanced	Balanced					
BF5400E0805AT	4900 ~ 5875	50	100	2	30 (3500 MHz)	2	2.00 x 1.25 x 0.90	E
BF2450E0805RT	2400 ~ 2500	50	50	2.8	30 (880~960 MHz) 30 (1710~1880 MHz) 20 (1880~1990 MHz) 30 (4800~5000 MHz)	2	2.00 x 1.25 x 1.10	E

MATCHED BALUN FILTERS

2.4GHz ~ 2.5GHz operational frequency range (1 of 2)

Part Number	Frequency Range (MHz)	Impedance(Ω)		Insertion Loss (dB)	Attenuation (dB) min	VSWR (max)	Size (mm)	Case Style
		Unbalanced	Balanced					
BM2450K0603AT	2400 ~ 2500	50	Conjugate matched to Atheros AR3011 Chipset	2	35 (4800~5000 MHz) 25 (7200~7500 MHz)	1.5	1.60 x 0.80 x 0.60	K
BM2450E0603BT	2400 ~ 2500	50	Conjugate matched to CSR BC series chipset solution	3.5	35 (880~960 MHz) 30 (1710~1880 MHz) 20 (1880~1990 MHz) 30 (4800~5000 MHz)	2	1.60 x 0.80 x 0.60	E
BM2450E0603CT	2400 ~ 2500	50	Conjugate matched to CSR BC series chipset solution	3.5	35 (880~960 MHz) 30 (1710~1880 MHz) 20 (1880~1990 MHz) 30 (4800~5000 MHz)	2	1.60 x 0.80 x 0.60	E
BM2450E0603DT	2400 ~ 2500	50	Conjugate matched to MTK bluetooth chipset series	3.5	35 (880~960 MHz) 30 (1710~1880 MHz) 20 (1880~1990 MHz) 30 (4800~5000 MHz)	2	1.60 x 0.80 x 0.60	E
BM2450E0603ET	2400 ~ 2500	50	Conjugate matched to MT_6616 chipset	3.5	35 (880~960 MHz) 30 (1710~1880 MHz) 20 (1880~1990 MHz) 28 (4800~5000 MHz)	2	1.60 x 0.80 x 0.60	E
BM2450E0805BT	2400 ~ 2500	50	Conjugate matched to BC series of Bluetooth chipset	3.5	35 (880~960MHz) 30 (1710~1880MHz) 25 (1880~1900MHz) 20 (1900~1990MHz) 30 (4800~5000MHz)	2	2.00 x 1.25 x 0.60	E
BM2450E0805CT	2400 ~ 2500	50	Conjugate matched to MTK MT_6611 MT_6612 Bluetooth chipset	3.5	35(880~960 MHz) 30(1710~1880 MHz) 25(1880~1900 MHz) 20(1900~1990 MHz) 30(4800~5000 MHz)	2	2.00 x 1.25 x 0.60	E
BM2450E0805DT	2400 ~ 2500	50	Conjugate matched to BC series of Bluetooth chipset	3.5	35 (880~960MHz) 30 (1710~1880MHz) 20 (1880~1990MHz) 30 (4800~5000MHz)	2.1	2.00 x 1.25 x 0.90	E
BM2450E0805ET	2400 ~ 2500	50	Conjugate matched to MTK MT6611 series Bluetooth chipset	2.8	35 (880~960 MHz) 30 (1710~1880 MHz) 20 (1880~1990 MHz) 30 (4800~5000 MHz)	2.1	2.00 x 1.25 x 0.90	E
BM2450E0805FT	2400 ~ 2500	50	Conjugate matched to BC series of Bluetooth chipset	3.5	35 (880~960 MHz) 30 (1710~1880 MHz) 20 (1880~1990 MHz) 30 (4800~5000 MHz)	2.1	2.00 x 1.25 x 0.90	E

* [See page 21 for Case Style Specifications](#)

** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

Electrical Specifications

MATCHED BALUN FILTERS

2.4GHz ~ 2.5GHz operational frequency range (2 of 2)

Part Number	Frequency Range (MHz)	Impedance(Ω)		Insertion Loss (dB)	Attenuation (dB) min	VSWR (max)	Size (mm)	Case Style
		Unbalanced	Balanced					
BM2450E0805GT	2400 ~ 2500	50	Conjugate matched to chipset STLC25xx Series	2.8	35 (880~960 MHz) 25 (1710~1880 MHz) 15 (1880~1990 MHz) 25 (4800~5000 MHz) 20 (7200~7500 MHz)	2	2.00 x 1.25 x 0.90	E
BM2450E0805HT	2400 ~ 2500	50	Conjugate matched to BC series of Bluetooth chipset	2.8	35 (880~960MHz) 30 (1575MHz) 25 (1710~1880MHz) 30 (4800~5000MHz)	2.1	2.00 x 1.25 x 0.90	E
BM2450E0805JT	2400 ~ 2500	50	Conjugate matched to CSR BC03/04 series	3.5	35 (880~960 MHz) 30 (1710~1880 MHz) 20 (1880~1990 MHz) 30 (4800~5000 MHz)	2.1	2.00 x 1.25 x 0.90	E
BM2450E0805LT	2400 ~ 2500	50	Conjugate matched to MT5931 Chipset	2.2	35 (824~960 MHz) 32 (1990 MHz) 30 (4800~5000MHz) 25 (7200~7500MHz)	2	2.00 x 1.25 x 0.95	E
BM2450E0805NT	2400 ~ 2500	50	Conjugate matched to MTK MT6611 Bluetooth chipset	2.8	35 (880~960MHz) 30 (1710~1880MHz) 20 (1880~1900MHz) 30 (4800~5000MHz)	2.1	2.00 x 1.25 x 0.90	E
BM2450E0805PT	2400 ~ 2500	50	Conjugate matched to BC series of Bluetooth chipset	3.5	35 (880~960MHz) 30 (1710~1880MHz) 20 (1880~1900MHz) 40 (4800~5000MHz)	2	2.00 x 1.25 x 1.00	E
BM2450J1008AT	2400 ~ 2500	50	Conjugate matched to BC series of Bluetooth chipset	3	40 (880~960MHz) 40 (1710~1880MHz) 20 (1880~1990MHz) 30 (4800~5000MHz)	2	2.50 x 2.00 x 0.95	J
BM2450J1008BT	2400 ~ 2500	50	Conjugate matched to BC series of Bluetooth chipset	3.5	40 (880~960MHz) 40 (1710~1880MHz) 25 (1880~1990MHz) 30 (4800~5000MHz)	2	2.50 x 2.00 x 0.95	J
BM2450E1008AT	2400 ~ 2500	50	Conjugate matched to TI BRF6150	3.5	35 (880~960MHz) 30 (1710~1880MHz) 25 (1880~1990MHz) 25 (4800~5000MHz)	2	2.50 x 2.00 x 0.90	E

* [See page 21 for Case Style Specifications](#)

** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

MATCHED BALUNS WITHOUT FILTERS

Part Number	Frequency Range (MHz)	Impedance(Ω)		Return Loss (dB) min	Insertion Loss (dB)	Amplitude Difference (dB) max	Size (mm)	Case Style
		Unbalanced	Balanced					
BM2450R0402AT	2400 ~ 2500	50	Conjugate matched to AR6003 chipset	10	1.4	2	1.00 x 0.50 x 0.40	R
BM2450L0603AT	2400 ~ 2500	50	Conjugate matched to AR6003 chipset	-	1.2	2	1.60 x 0.80 x 0.50	L

* [See page 5 for Case Style Specifications](#)

** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

Part Number Description

LP	0915	M	0402	A	T	
Product code	Working Freq	Case Style	Case Size	Version	Packaging	Termination
LP: Low Pass Filter	0915: 915MHz	M	0402	A	T: 7" Paper Tape	Blank: Cu/Ni/Sn

Electrical Specifications

GSM 850/900MHz operational frequency range

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB) min	VSWR (max)	Impedance (Ω)	Size (mm)	Case Style
LP0915M0402AT	824 ~ 915	0.6	25 (1648~1830 MHz) 25 (2472~2745 MHz) 25 (3296~3660 MHz)	2	50	1.00 x 0.50 x 0.40	M
LP0915M0603AT	824 ~ 915	0.45	25 (1648~1830 MHz) 25 (2472~2745 MHz) 25 (3296~3660 MHz)	2	50	1.60 x 0.80 x 0.50	M

DCS/PCS 1710~1910MHz operational frequency range

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB) min	VSWR (max)	Impedance (Ω)	Size (mm)	Case Style
LP1910M0402AT	1710 ~ 1910	0.8	35 (3420~3570 MHz) 35 (3700~3820MHz) 35 (5130~5730 MHz)	2	50	1.00 x 0.50 x 0.40	M
LP1910M0402BT	1710 ~ 1910	0.6	26 (3420~3570 MHz) 21 (3700~3820MHz) 21 (5130~5730 MHz)	2	50	1.00 x 0.50 x 0.40	M
LP1910M0603BT	1710 ~ 1910	0.45 max (25°C) 0.55 max (-40~+85°C)	30 (3420~3570 MHz) 25 (3700~3820MHz) 25 (5130~5730 MHz)	2	50	1.60 x 0.80 x 0.50	M

TD-SCDMA operational frequency range

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB) min	VSWR (max)	Impedance (Ω)	Size (mm)	Case Style
LP2025M0402BT	f1: 2010~2025 f2: 1880~1920	0.5	24 (2x f1 MHz) 16 (3x f1 MHz) 17 (2x f2 MHz) 16 (3x f2 MHz)	2	50	1.00 x 0.50 x 0.40	M

2.4GHz ~ 2.5GHz operational frequency range

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB) min	VSWR (max)	Impedance (Ω)	Size (mm)	Case Style
LP2500M0402AT	2400 ~ 2500	0.45 max (25°C) 0.55 max (-40~+85°C)	21 (4800~5000MHz) 21 (7200~7500MHz)	1.7	50	1.00 x 0.50 x 0.40	M
LP2500M0402BT	2400 ~ 2500	0.75	33 (4800~5000MHz) 37 (7200~7500MHz)	2	50	1.00 x 0.50 x 0.40	M
LP2500M0402CT	2400 ~ 2500	0.75 max (25°C) 0.90 ma (-40~+85°C)	32 (4800~5000MHz) 35 (7200~7500MHz)	2	50	1.00 x 0.50 x 0.40	M
LP2500K0603AT	2400 ~ 2500	0.65 (typ 0.48)	35 (4800 MHz (typ. 40)) 27 (7200 MHz (typ. 40))	1.5	50	1.60 x 0.80 x 0.60	K
LP2500K0603BT	2400 ~ 2500	0.6	27 (4800~5000 MHz) 30 (7200~7500 MHz)	2	50	1.60 x 0.80 x 0.60	K
LP2500K0603CT	2400 ~ 2500	0.42	25 (4800 MHz) 18 (7200 MHz)	1.5	50	1.60 x 0.80 x 0.60	K
LP2500E0805AT	2400 ~ 2500	0.7	30 (2 x (fo \pm BW/2)) 20 (3 x (fo \pm BW/2))	1.5	50	2.00 x 1.25 x 1.05	E

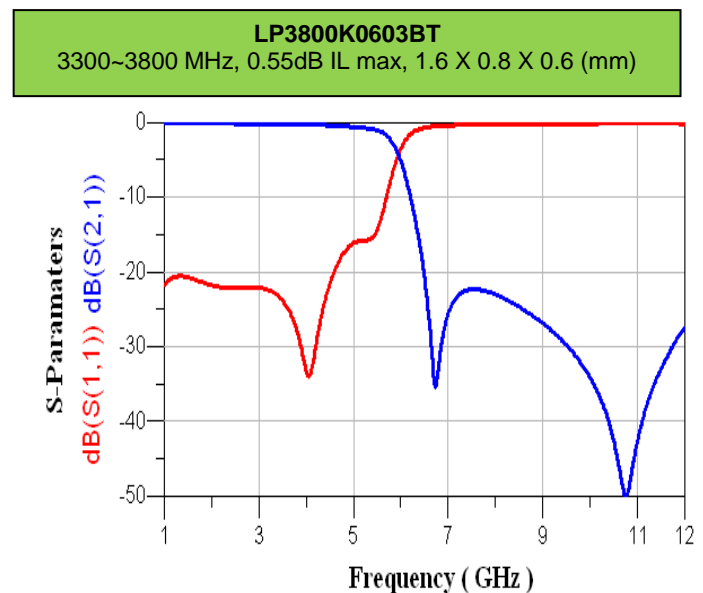
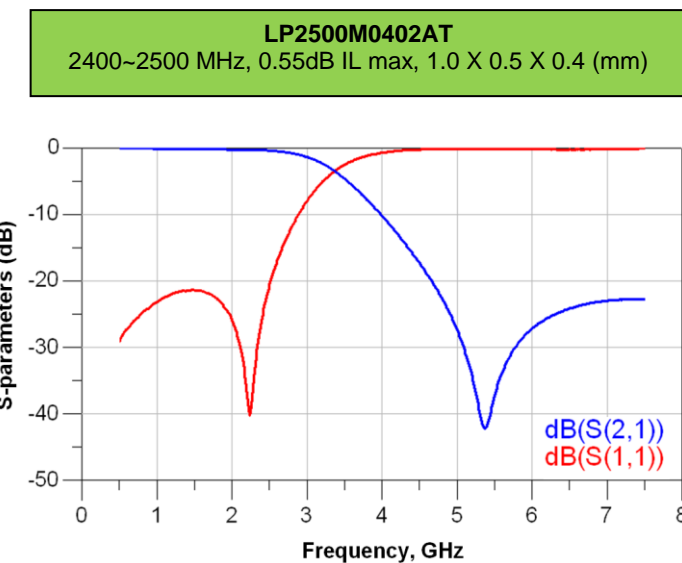
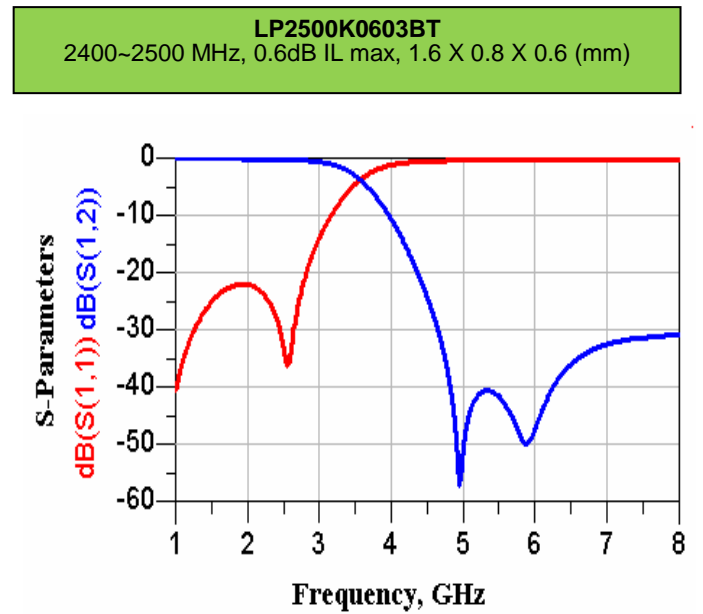
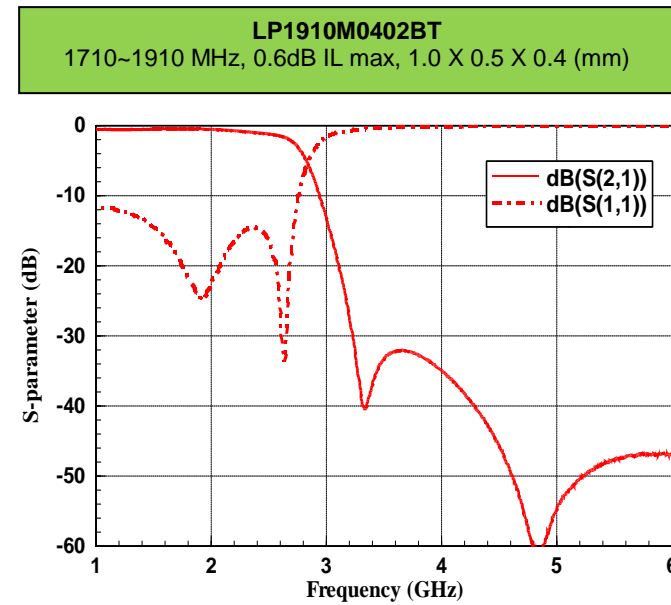
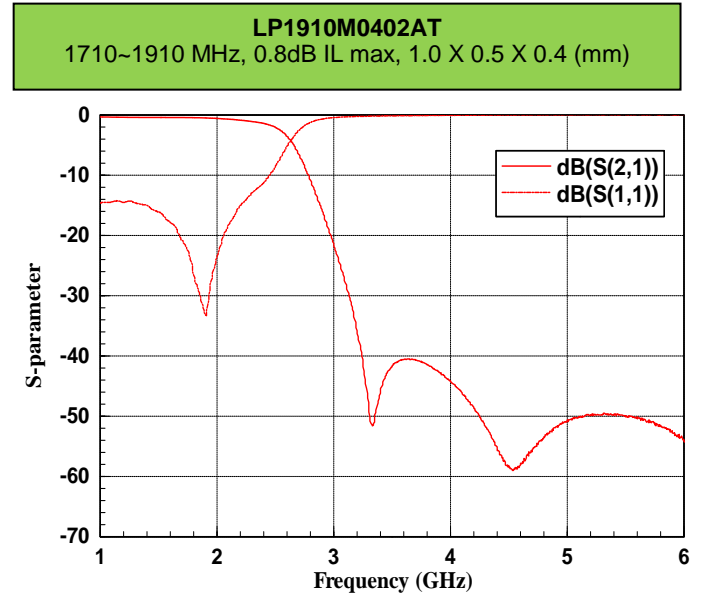
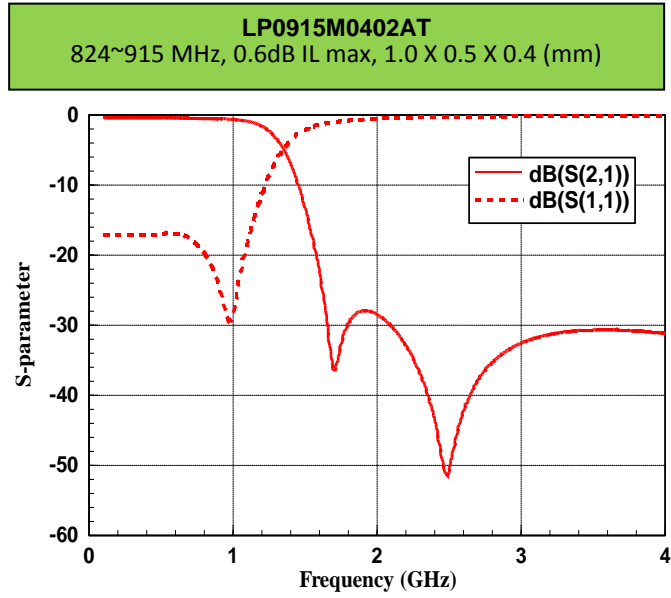
4.9GHz ~ 5.9GHz operational frequency range

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB) min	VSWR (max)	Impedance (Ω)	Size (mm)	Case Style
LP5900M0805AT	4900 ~ 5900	0.6	25 (9800 MHz) 30 (11900 MHz) 20 (17850 MHz)	2	50	1.60 x 0.85 x 0.50	M
LP5900E0805AT	4900 ~ 5900	0.55 (25°C) 0.65 (-40~+85°C)	30 (9800 MHz) 30 (11800 MHz) 20 (17550 MHz)	2	50	2.00 x 1.25 x 0.90	E

* See page 21 for Case Style Specifications

** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

Electrical Characteristics (Typical)



Part Number Description

BP	1900	A	1008	A	T	
Product code	Working Freq	Case Style	Case Size	Version	Packaging	Termination
BP: Band Pass Filter	1900: 1900MHz	A	1008	A	T: 7" Paper Tape	Blank: Cu/Ni/Sn

Electrical Specifications

DVB 465MHz ~ 862MHz operational frequency range

Part Number	Frequency Range (MHz)	Insertion Loss (db)	Attenuation (db) min	VSWR (max)	Impedance (Ω)	Size(mm)	Case Style
BP0862A1008AT	465 ~ 862	1.2	30 (90 MHz) 10 (245 MHz) 30 (2170 MHz)	2	50	2.50 x 2.00 x 0.80	A

2.4GHz ~ 2.5GHz operational frequency range (0402 case size)

Part Number	Frequency Range (MHz)	Insertion Loss (db)	Attenuation (db) min	VSWR (max)	Impedance (Ω)	Size(mm)	Case Style
BP2500B0402AT	2400 ~ 2500	2.5	25 (824~960 MHz) 20 (1710~1910 MHz) 20 (4800~5000 MHz) 15 (7200~7500 MHz)	2	50	1.00 x 0.50 x 0.40	B

2.4GHz ~ 2.5GHz operational frequency range (0603 case size -- 1 of 2)

Part Number	Frequency Range (MHz)	Insertion Loss (db)	Attenuation (db) min	VSWR (max)	Impedance (Ω)	Size(mm)	Case Style
BP2500B0603AT	2400 ~ 2500	3	38 (900~1800 MHz) 25 (1910~2170 MHz) 35 (4800~4900 MHz)	2	50	1.60 x 0.80 x 0.60	B
BP2500B0603BT	2400 ~ 2500	2.2 max (25°C) 2.4 max (-40~+85°C)	25 (880~960 MHz) 20 (1710~1990 MHz) 30 (4800~5000 MHz) 30 (7200~7500 MHz)	2	50	1.60 x 0.80 x 0.60	B
BP2500B0603DT	2400 ~ 2500	2.8	25 (695~800MHz) 20 (1910MHz) 35 (3200MHz) 20 (4800~5000MHz) 20 (7200~7500MHz)	2	50	1.60 x 0.80 x 0.60	B
BP2500B0603ET	2400 ~ 2500	3	25 (695~800MHz) 20 (1910MHz) 35 (3200MHz) 20 (4800~5000MHz) 20 (7200~7500MHz)	2	50	1.60 x 0.80 x 0.60	B
BP2500B0603FT	2400 ~ 2500	1.7	30 (880~915MHz) 30 (1710~1785MHz) 25 (1850~1910MHz) 25 (4800~5000MHz) 15 (7200~7500MHz)	2	50	1.60 x 0.80 x 0.60	B
BP2500B0603HT	2400 ~ 2500	1.8 max (25°C) 2.1 max (-40~+85°C)	27 (800~900 MHz) 25 (4800~5000 MHz) 30 (7200~7500 MHz)	2	50	1.60 x 0.80 x 0.70	B
BP2500B0603JT	2400 ~ 2500	1.8 max (25°C) 2.2 max (-40~+85°C)	35 (880~960MHz) 25 (1710~1910MHz) 30 (4800~5000MHz) 25 (7200~7500MHz)	2	50	1.60 x 0.80 x 0.60	B
BP2500F0603AT	2400 ~ 2500	2.5 max (25°C) 2.8 max (-40~+85°C)	38 (880~915 MHz) 40(1710~1850 MHz) 40 (1850~1910 MHz) 35 (1920~1990 MHz) 25 (2170 MHz) 30 (4800~5000 MHz) 20 (7200~7500 MHz)	2	50	1.60 x 0.80 x 0.60	F
BP2500F0603BT	2400 ~ 2500	1.7 max (25°C) 2.0 max (-40~+85°C)	25 (880 MHz) 20 (3200 MHz) 35 (4800~5000 MHz) 25 (7200~7500 MHz)	2	50	1.60 x 0.80 x 0.60	F

* See page 21 for Case Style Specifications

** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

Electrical Specifications

2.4GHz ~ 2.5GHz operational frequency range (0603 case size -- 2 of 2)

Part Number	Frequency Range (MHz)	Insertion Loss (db)	Attenuation (db) min	VSWR (max)	Impedance (Ω)	Size(mm)	Case Style
BP2500F0603CT	2400 ~ 2500	2.2	40 (824~960MHz) 30 (1710~1910MHz) 30 (1910~1990MHz) 30 (4800~5000MHz) 20 (7200~7500MHz)	2	50	1.60 x 0.80 x 0.40	F
BP2500F0603DT	2400 ~ 2500	2.8	38 (880~916MHz) 40 (1710~1850MHz) 40 (1850~1910MHz) 35 (1920~1990MHz) 25 (2170MHz) 30 (4800~5000MHz) 20 (7200~7500MHz)	2	50	1.60 x 0.80 x 0.40	F
BP2500H0603AT	2400 ~ 2500	1.25	20 (500~960MHz) 23 (3200MHz) 30 (4800~5000MHz) 32 (7200~7500MHz)	2	50	1.60 x 0.80 x 0.40	F

2.4GHz ~ 2.5GHz operational frequency range (0805 case size – 1 of 2)

Part Number	Frequency Range (MHz)	Insertion Loss (db)	Attenuation (db) min	VSWR (max)	Impedance (Ω)	Size(mm)	Case Style
BP2500B0805AT	2400 ~ 2500	2.6	40 (880~960 MHz) 38 (1710~1990 MHz) 16 (2170 MHz) 30 (4800~5000 MHz) 25 (7200~7500 MHz)	2	50	2.00 x 1.20 x 0.90	B
BP2500B0805BT	2400 ~ 2500	1.2	20 (1600 MHz) 25 (3200 MHz) 20 (4800~5000 MHz)	2	50	2.00 x 1.20 x 0.90	B
BP2500B0805CT	2400 ~ 2500	1	20 (1600 MHz) 25 (3200 MHz)	2	50	2.00 x 1.20 x 0.90	B
BP2500B0805DT	2400 ~ 2500	1.7	30 (900 MHz) 20 (1850 MHz) 30 (4800 MHz)	2	50	2.00 x 1.20 x 0.90	B
BP2500B0805ET	2400 ~ 2500	1.4	30 (824~960MHz) 30 (1710~1910 MHz) 20 (1920~1990 MHz) 6 (2110~2170MHz) 20 (4800~5000 MHz)	2	50	2.00 x 1.20 x 0.90	B
BP2500B0805FT	2400 ~ 2500	2.8 (typ 2.5)	35 (1710 MHz) 25 (1900 MHz) 12 (2100 MHz) 8 (2170 MHz) 30 (3100 MHz) 40 (4800~5000 MHz) 20 (7200~7500 MHz)	2	50	2.00 x 1.20 x 0.80	B
BP2500B0805GT	2400 ~ 2500	2.8	30 (960 MHz) 30 (1600 MHz) 20 (1990 MHz) 35 (3200 MHz) 40 (4800 MHz) 25 (7200 MHz)	2	50	2.00 x 1.20 x 0.60	B
BP2500C0805AT	2400 ~ 2500	1.5 max (25°C) 1.8 max (-40~+85°C)	30 (880~960MHz) 25 (1710~1910MHz) 25 (4800~5000MHz) 30 (7200~7500MHz)	2	50	2.00 x 1.20 x 0.60	C
BP2500C0805BT	2400 ~ 2500	2.5	35 (824~960 MHz) 38 (1710~1910 MHz) 25 (4880~5000 MHz) 20 (7200~7500 MHz)	2	50	2.00 x 1.20 x 0.55	C
BP2500C0805CT	2400 ~ 2500	3	40 (880~960 MHz) 40 (1710~1990 MHz) 20 (2110~2170 MHz) 40 (4800~5000 MHz) 30 (7200~7500 MHz)	2	50	2.00 x 1.20 x 0.80	C
BP2500C0805DT	2400 ~ 2500	3.5	30 (880~960 MHz) 30 (1710~1990 MHz) 20 (2110~2170 MHz) 30 (4800~5000 MHz) 30 (7200~7500 MHz)	2	50	2.00 x 1.20 x 0.80	C

* See page 21 for Case Style Specifications

** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

Electrical Specifications

2.4GHz ~ 2.5GHz operational frequency range (0805 case size -- 2 of 2)

Part Number	Frequency Range (MHz)	Insertion Loss (db)	Attenuation (db) min	VSWR (max)	Impedance (Ω)	Size(mm)	Case Style
BP2500D0805AT	2400 ~ 2500	1.8 max (25°C) 2.0 max (-40~+85°C)	30 (860~ 960MHz) 30 (1545~ 1605MHz) 35 (1710~ 1990MHz) 30 (2170MHz) 30 (4800~5000MHz)	2	50	2.00 x 1.20 x 0.80	D
BP2500D0805BT	2400 ~ 2500	2.5	30 (824~849 MHz) 30 (880~915 MHz) 30 (1545~1605 MHz) 30 (1565~1585 MHz) 35 (1710~1785 MHz) 40 (1850~1910 MHz) 32 (1920~1980 MHz) 7 (3168~4752 MHz) 11 (3300~3800 MHz) 35 (4800~4967 MHz) 26 (5150~6000 MHz) 23 (7200~7450 MHz)	2	50	2.00 x 1.20 x 0.40	D
BP2500D0805CT	2400 ~ 2500	1.5 max (25°C) 1.7 max (-40~+85°C)	30 (860~960MHz) 30 (1545~1605MHz) 30 (1710~1990MHz) 30 (2170MHz) (typical) 30 (4800~5000MHz)	2	50	2.00 x 1.25 x 0.80	D
BP2500D0805DT	2400 ~ 2500	1.8 max (25°C) 2.0 max (-40~+85°C)	30 (824~915MHz) 30 (1545~1605MHz) 35 (1710~1990MHz) 30 (2170MHz) 30 (4800~4967MHz) 25 (5150~6000MHz) 20 (7200~7450.5MHz)	2	50	2.00 x 1.25 x 0.80	D
BP2500D0805ET	2400 ~ 2500	1.8 max (typ.1.5)	35 (824~960MHz) 28 (1545~1605MHz) 30 (1710~1990MHz) 30 (2170MHz) 6 (3200MHz) 30 (4800~4967MHz) 20 (5150~6000MHz) 18 (7200~7450MHz)	2	50	2.00 x 1.25 x 0.80	D
BP2500D0805FT	2400 ~ 2500	2.5	25 (746~764 MHz) 30 (824~849 MHz) 26 (869~960 MHz) 28 (1570~1580 MHz) 28 (1710~1785 MHz) 30 (1850~1910 MHz) 30 (1930~1990 MHz) 30 (2110~2170 MHz) 15 (3300~3800 MHz) 35 (4800~5000 MHz) 20 (7200~7450.5 MHz)	2	50	2.00 x 1.25 x 0.45	D
BP2500D0805GT	2400 ~ 2500	2.0 max (25°C) 2.2 max (-40~+85°C)	25 (746~764MHz) 30 (824~849MHz) 26 (869~960MHz) 28 (1570~1580MHz) 28 (1710~1785MHz) 30 (1850~1910MHz) 30 (1930~1990MHz) 25 (2110~2170MHz) 15 (3300~3800MHz) 35 (4800~5000MHz) 20 (7200~7450.5MHz)	2	50	2.00 x 1.25 x 0.45	D
BP2500E0805AT	2400 ~ 2500	1.8	25 (870~960 MHz) 25 (1710~1910 MHz) 20 (1910~1990 MHz) 15 (4800~5000 MHz) 15 (7200~7500 MHz)	2	50	2.00 x 1.20 x 0.60	E
BP2500E0805BT	2400 ~ 2500	1	21 (902~928MHz) 22 (4800~5000MHz) 34 (7200~7500MHz) 29 (9600~10000MHz)	2	50	2.00 x 1.20 x 0.60	E

* See page 21 for Case Style Specifications

** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

Electrical Specifications

2.4GHz ~ 2.5GHz operational frequency range (1008 case size)

Part Number	Frequency Range (MHz)	Insertion Loss (db)	Attenuation (db) min	VSWR (max)	Impedance (Ω)	Size(mm)	Case Style
BP2500A1008AT	2400 ~ 2500	2.0 max (25°C) 2.2 max (-40~+85°C)	45 (824~960 MHz) 45 (1570~1580 MHz) 45 (1710~1785 MHz) 40 (1805~1850 MHz) 35 (1850~1910 MHz) 35 (1920~1990 MHz) 25 (2110~2170 MHz) 5 (2750~3000 MHz) 15 (3000~4800 MHz) 30 (4800~5000 MHz) 30 (5150~5850 MHz) 20 (7200~7500 MHz)	2	50	2.50 x 2.00 x 0.70	A
BP2500A1008BT	2400 ~ 2500	2.2	30 (900 MHz) 30 (1850 MHz) 33 (2170 MHz) 35 (4800 MHz) 25 (7200 MHz)	2	50	2.50 x 2.00 x 0.80	A
BP2500A1008CT	2400 ~ 2500	1.7	30 (900/1850 MHz) 20 (2100 MHz) 40 (4800 MHz) 25 (7200 MHz)	2	50	2.50 x 2.00 x 1.20	A
BP2500A1008DT	2400 ~ 2500	2.1	30 (900/1850 MHz) 30 (4800 MHz)	2	50	2.50 x 2.00 x 1.20	A
BP2500A1008ET	2400 ~ 2500	≤1.2(25°C)	30 (900/1850 MHz) 25 (4800 MHz)	2	50	2.50 x 2.00 x 1.20	A
BP2500A1008FT	2400 ~ 2500	≤1.7(25°C)	30 (900/1850 MHz) 25 (4800 MHz)	2	50	2.50 x 2.00 x 1.20	A
BP2500A1008GT	2400 ~ 2500	2	40 (900 MHz) 35 (3200 MHz) 30 (1990 MHz) 20 (2100 MHz) 40 (4800 MHz) 25 (7200 MHz)	2	50	2.50 x 2.00 x 1.00	A
BP2500A1008HT	2400 ~ 2500	1.4	35 (1900/4800 MHz)	2	50	2.50 x 2.00 x 1.00	A
BP2500G1008AT	2400 ~ 2500	2.1 max (25°C) 2.3 max (-40~+85°C)	43 (806~960MHz) 43 (1570~1580 MHz) 43 (1710~1990 MHz) 20 (2110~2170MHz) 30 (4800~5000 MHz) 25 (7200~7500MHz)	2	50	2.50 x 2.00 x 0.90	G

2.4GHz ~ 2.5GHz operational frequency range (1310 case size)

Part Number	Frequency Range (MHz)	Insertion Loss (db)	Attenuation (db) min	VSWR (max)	Impedance (Ω)	Size(mm)	Case Style
BP2500A1310AT	2400 ~ 2500	2.5	40 (1500 MHz) 30 (2100 MHz) 30 (4800 MHz)	1.7	-	3.20 x 2.50 x 1.50	A
BP2500A1310BT	2400 ~ 2500	2	30 (900 MHz) 30 (1850 MHz) 20 (2100 MHz) 30 (4800 MHz)	2	50	3.20 x 2.50 x 1.50	A
BP2500A1310CT	2400 ~ 2500	1.8	30 (900 MHz) 30 (1850MHz) 20 (2100 MHz) 30 (4800 MHz)	2	50	3.20 x 2.50 x 1.50	A

* [See page 21 for Case Style Specifications](#)

** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

Electrical Specifications

4.9GHz ~ 5.9GHz operational frequency range

Part Number	Frequency Range (MHz)	Insertion Loss (db)	Attenuation (db) min	VSWR (max)	Impedance (Ω)	Size(mm)	Case Style
BP5900B0603AT	4900 ~ 5840	1.5 max (25°C) 1.7 max (-40~+85°C)	33 (100~2170 MHz) 29 (2170~2500 MHz) 32 (9800~12000 MHz)	2	50	1.60 x 0.80 x 0.70	B
BP5900B0805AT	4900 ~ 5900	1.5(4.90GHz) 1.5(5.25GHz) 1.5(5.85GHz)	30 (3450 MHz) 20 (11000 MHz)	2	50	2.00 x 1.20 x 1.00	B
BP5900B0805BT	5150 ~ 5900	3 (typ.2.5)	35 (4000MHz) 35 (4500MHz) 40 (4600MHz)	2	50	2.00 x 1.20 x 1.00	B
BP5900B0805CT	4900 ~ 5850	2.2	35 (340~1195 MHz) 19 (2140~3580 MHz) 25 (6855~7150 MHz) 20 (8570~8930 MHz)	2	50	2.00 x 1.20 x 0.90	B
BP5900B0805DT	4900 ~ 5850	1.8 max (25°C) 2.1 max (-40~+85°C)	30 (500 MHz) 35 (3450 MHz) 30 (4000 MHz) 20 (4200 MHz) 15 (9800 MHz) 15 (11700 MHz)	2	50	2.00 x 1.20 x 0.95	B
BP5900B0805ET	5150 ~ 5850	1.6 max (25°C) 1.8 max (-40~+85°C)	30 (500 MHz) 40 (2000 MHz) 35 (3450 MHz) 30 (4000 MHz) 20 (4200 MHz)	2	50	2.00 x 1.20 x 0.95	B

WIMAX 2.3GHz ~ 2.7GHz operational frequency range

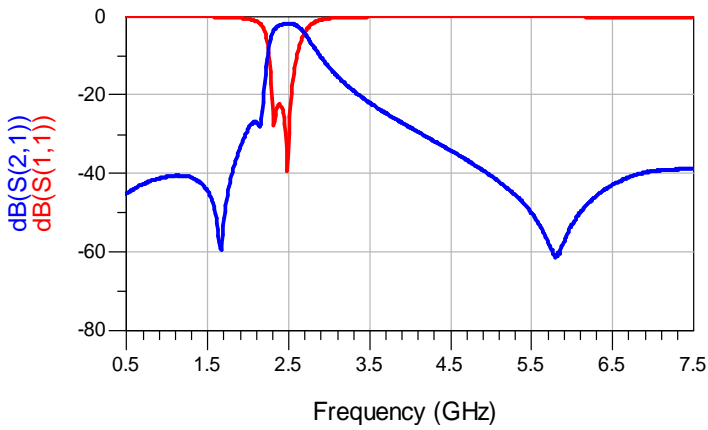
Part Number	Frequency Range (MHz)	Insertion Loss (db)	Attenuation (db) min	VSWR (max)	Impedance (Ω)	Size(mm)	Case Style
BP2400B0603AT	2300 ~ 2390	2	29 (880~915 MHz) 29 (1710~1785 MHz) 21 (1850~1910 MHz) 15 (1920~1980 MHz) 18 (4600~4780 MHz) 23 (6900~7170 MHz)	2	50	1.60 x 0.80 x 0.70	B
BP2700B0805AT	2300 ~ 2690	2	20 (1600 MHz) 30 (3490 MHz) 30 (4000 MHz) 30 (4490 MHz) 30 (8000 MHz)	2	50	2.00 x 1.20 x 0.50	B

* [See page 21 for Case Style Specifications](#)

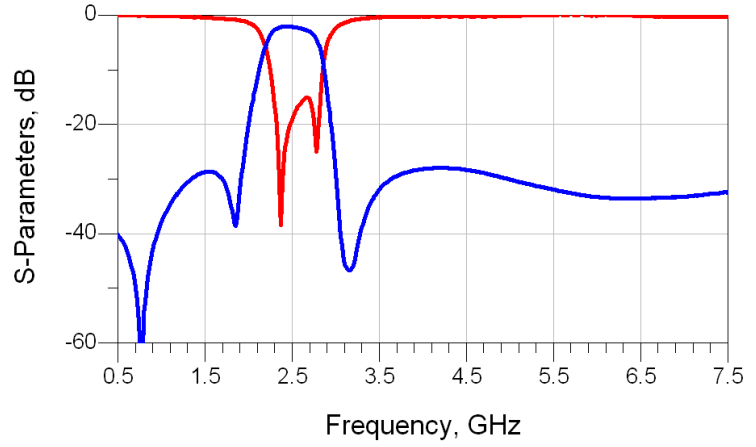
** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

Electrical Characteristics (Typical)

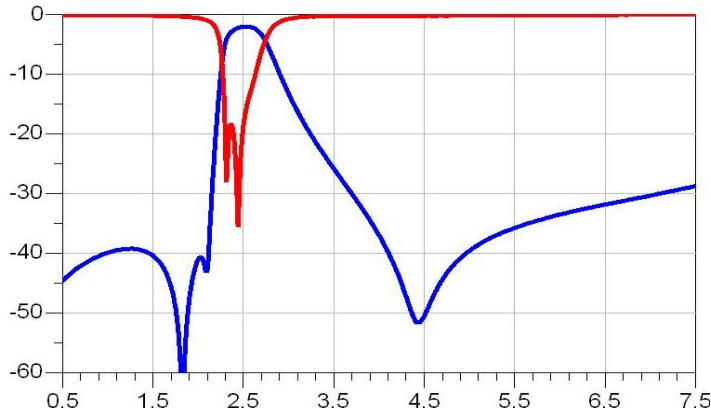
BP2500B0603AT
2400~2500 MHz, 3dB IL max, 1.6 X 0.8 X 0.5 (mm)



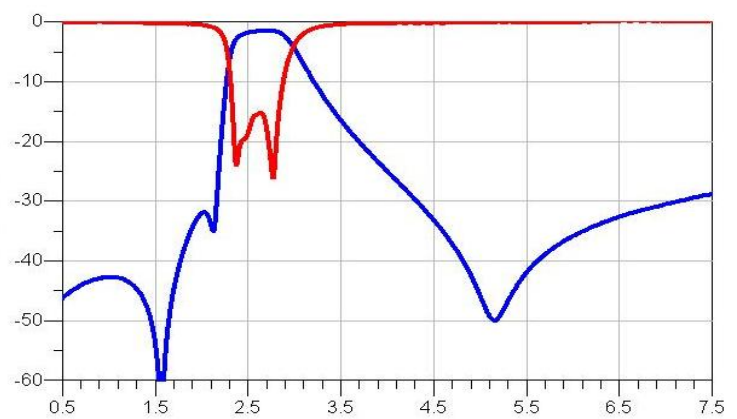
BP2500B0603DT
2400~2500 MHz, 2.8dB IL max, 1.6 X 0.8 X 0.5 (mm)



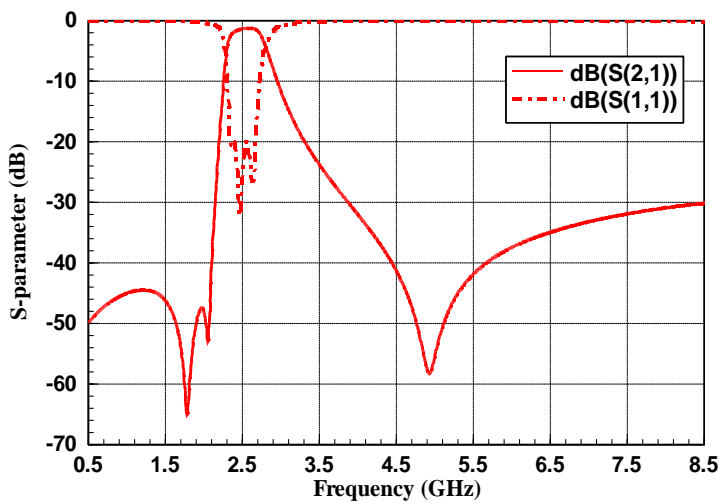
BP2500F0603AT
2400~2500 MHz, 2.8dB IL max, 1.6 X 0.8 X 0.6 (mm)



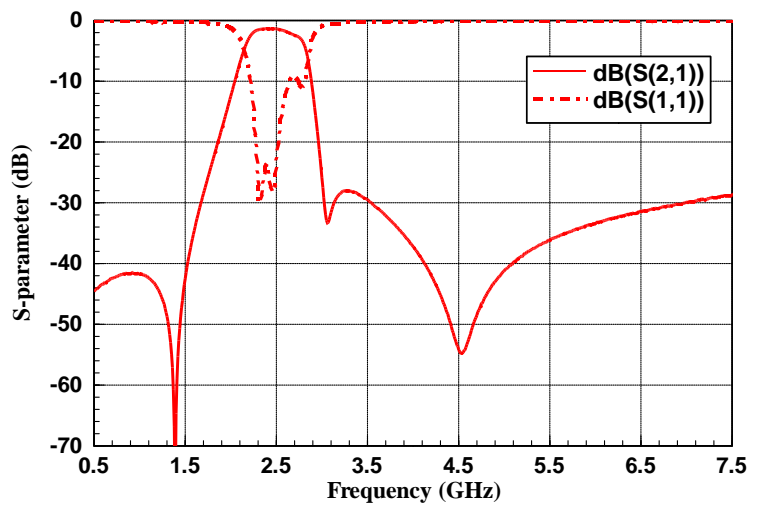
2500F0603CT
2400~2500 MHz, 2.2dB IL max, 1.6 X 0.8 X 0.4 (mm)



BP2500G1008AT
2400~2500 MHz, 2.3dB IL max, 2.5 X 2.0 X 0.9 (mm)



BP2500F0603BT
2400~2500 MHz, 2dB IL max, 1.6 X 0.8 X 0.6 (mm)



Part Number Description

CM	0090	Q	0504	A	T		
Product code	Differential Impedance	Case Style	Case Size	Version	Packaging	Termination	
CM: Common Mode Filter CMD: Dual Common Mode Filter	0090: 90 ohms	Q	0504	A	T=7" Paper Tape	Blank=Cu/Ni/Sn	

Electrical Specifications

High Speed Transmission Lines USB 2.0, IEEE1394, LVDS (mini)

Part Number	Characteristic Impedance (Ω) Differential	Impedance (Ω) Common Mode	DC Resistance (Ω) max	Rated Current (mA)	Size (mm)	Case Style
CM0090Q0504AT	90	35 ± 25% (100MHz)	0.7	300	1.25 x 1.00 x 0.80	Q
CM0090Q0504BT	90	65 ± 20% (100MHz)	0.85	300	1.25 x 1.00 x 0.80	Q
CM0090Q0504CT	90	100 ± 20% (100MHz)	1.5	300	1.25 x 1.00 x 0.80	Q
CM0090Q0504DT	90	90 ± 20% (100MHz)	1.5	300	1.25 x 1.00 x 0.80	Q
CM0090Q0504ET	90	120 ± 20% (100MHz)	1.5	300	1.25 x 1.00 x 0.90	Q
CM0090Q0508AT	90	120 ± 20% (100MHz)	1.5	400	1.25 x 2.00 x 1.00	Q
CM0090V0508AT	90	9.0 (240~1000 MHz)	1.5	300	1.20 x 2.00 x 1.00	V
CM0090V0508BT	90	9.0 (130~1000 MHz)	2.5	200	1.20 x 2.00 x 1.00	V
CM0090V0613AT	90	9.0 (240~1000 MHz)	1.5	300	1.60 x 3.20 x 1.00	V
CM0090V0613BT	90	9.0 (140~1000 MHz)	2.5	300	1.60 x 3.20 x 1.40	V
CM0090R1306AT	90	8 (240~1000 MHz)	1.5	200	3.20 x 1.60 x 0.95	R

High Speed Transmission Lines DVI, HDMI, SATA, PCI-E, Display port, LVDS (mini)

Part Number	Characteristic Impedance (Ω) Differential	Impedance (Ω) Common Mode	DC Resistance (Ω) max	Rated Current (mA)	Size (mm)	Case Style
CM0100Q0504AT	100	35 ± 25%(100MHz)	0.6	300	1.25 x 1.00 x 0.80	Q
CM0100Q0504BT	100	65 ± 20%(100MHz)	0.8	300	1.25 x 1.00 x 0.80	Q
CM0100Q0504CT	100	100 ± 20%(100MHz)	1	300	1.25 x 1.00 x 0.80	Q
CM0100Q0504DT	100	90 ± 20%(100MHz)	1	300	1.25 x 1.00 x 0.80	Q
CM0100Q0504ET	100	120 ± 20%(100MHz)	1.2	300	1.25 x 1.00 x 0.80	Q
CM0100Q0504FT	100	90 ± 20%(100MHz)	1	300	1.25 x 1.00 x 0.80	Q
CM0100Q0805AT	100	90 ± 20%(100MHz)	1	200	2.00 x 1.25 x 1.00	Q

USB 3.0

Part Number	Characteristic Impedance (Ω) Differential	Impedance (Ω) Common Mode	DC Resistance (Ω) max	Rated Current (mA)	Size (mm)	Case Style
CM0090Q0504FT	90	18± 25%(100MHz)	0.5	300	1.25 x 1.00 x 0.80	Q
CM0090Q0504GT	90	35 ± 20%(100MHz)	0.8	300	1.25 x 1.00 x 0.80	Q

Dual Common Mode Filters for High Speed Transmission Lines DVI, HDMI, SATA, PCI-E, Display Port, LVDS (mini)

Part Number	Characteristic Impedance (Ω) Differential	Impedance (Ω) Common Mode	DC Resistance (Ω) max	Rated Current (mA)	Size (mm)	Case Style
CMD100T0804AT	100	100 ± 25%(100MHz)	1.1	300	2.00 x 1.05 x 0.90	T
CMD100T0804BT	100	90 ± 25%(100MHz)	1	300	2.00 x 1.05 x 0.90	T
CMD100T0804CT	100	120 ± 25%(100MHz)	1.1	300	2.00 x 1.05 x 0.90	T

* [See page 21 for Case Style Specifications](#)

** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

Part Number Description

DP	2549	K	0603	A	T	
Product code	Working Freq	Case Style	Case Size	Version	Packaging	Termination
DP: Diplexer	25: 2450MHz Low Port 49: 4900MHz High Port	K	0603	A	T: 7" Paper Tape	Blank: Cu/Ni/Sn

Electrical Specifications

824 MHz ~ 2.5GHz operational frequency range

Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB) min	Ripple (dB)	Size (mm)	Case Style
DP2025K0805AT	824 ~ 1990	50	1.5	15 (2400~2500MHz)	9.5	--	2.00 x 1.25 x 0.80	K
	2400 ~ 2500	50	2	20 (824~1990MHz)				
DP0919K1206AT	824 ~ 894	50	0.75	20 (1850~1990MHz)	12	--	3.40 x 1.75 x 1.00	K
	1850 ~ 1990	50	0.55	20 (824~894MHz)				

ISM Band 2.4GHz ~ 5.9GHz operational frequency range

Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB) min	Ripple (dB)	Size (mm)	Case Style
DP2549K0603AT	2400 ~ 2500	50	0.8	18 (4800~5000 MHz) 20 (7200~7500 MHz)	9.5	--	1.60 x 0.80 x 0.60	K
	4900 ~ 5900	50	1.2	20 (1800~2500MHz) 20 (3700~3900MHz) 20 (9800~11800 MHz)				
DP2549K0603BT	2400 ~ 2500	50	0.8	18 (4800~5000 MHz) 20 (7200~7500 MHz)	9.5	--	1.60 x 0.80 x 0.60	K
	4900 ~ 5900	50	1.2	20 (1800~2500 MHz) 20 (3700~3900 MHz) 20 (9800~11800 MHz)				
DP2549K0603CT	2400 ~ 2500	50	0.6	18 (4800~5000 MHz) 18 (7200~7500 MHz)	9.5	--	1.60 x 0.80 x 0.60	K
	4900 ~ 5900	50	1.4	20 (1800~2500 MHz) 20 (3700~3900MHz) 20 (9800~11800 MHz)				
DP2549K0805AT	2400 ~ 2500	50	0.7	18 (4800~6000 MHz) 18 (7200~7500 MHz)	9.5	--	2.00 x 1.25 x 0.55	K
	4900 ~ 5900	50	1	19 (1800-2500 MHz) 25 (10300-10700 MHz)				
DP2549K0805BT	2400 ~ 2500	50	0.7	18 (4800-6000 MHz) 18 (7200-7500 MHz)	9.5	--	2.00 x 1.25 x 0.55	K
	4900 ~ 5900	50	1	19 (1800-2500 MHz) 25 (10300-10700 MHz)				
DP2549K0805DT	2400 ~ 2500	50	0.7	20 (4900 MHz) 25 (5200 MHz) 25 (5800 MHz)	10	0.5	2.00 x 1.25 x 0.95	K
	4900 ~ 5900	50	0.9	25 (2450 MHz)				
DP2549E0805AT	2400 ~ 2500	50	0.7	20 (4900 MHz) 20 (5200 MHz) 20 (5800 MHz)	10	0.5	2.00 x 1.25 x 0.95	E
	4900 ~ 5900	50	0.9	20 (2450 MHz)				
DP2549K0805ET	2400 ~ 2500	50	0.7	20 (4900 MHz) 25 (5200 MHz) 25 (5800 MHz)	10	0.5	2.00 x 1.25 x 0.95	K
	4900 ~ 5900	50	0.9	25 (2450 MHz)				
DP2549E0805BT	2400 ~ 2500	50	0.7	20 (4900 MHz) 20 (5200 MHz) 20 (5800 MHz)	10	0.5	2.00 x 1.25 x 0.95	E
	4900 ~ 5900	50	1.1	20 (2400 MHz)				
DP2552K0805AT	2400 ~ 2500	50	2.4	30 (824~915MHz) 30 (1545~1610MHz) 30 (1710~1990MHz) 25 (2170MHz)	9.5	-	2.00 x 1.25 x 0.80	K
	4900 ~ 5900	50	1.4	32 (4800~5000MHz) 28 (7200~7500MHz) 25 (1545~1610MHz) 30 (2400~2500MHz) 20 (10300MHz)				

* See page 21 for Case Style Specifications

** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

Electrical Specifications

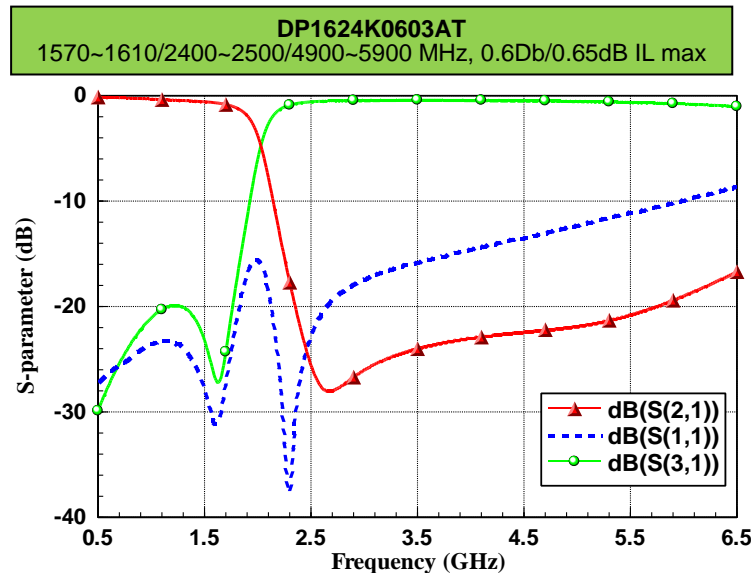
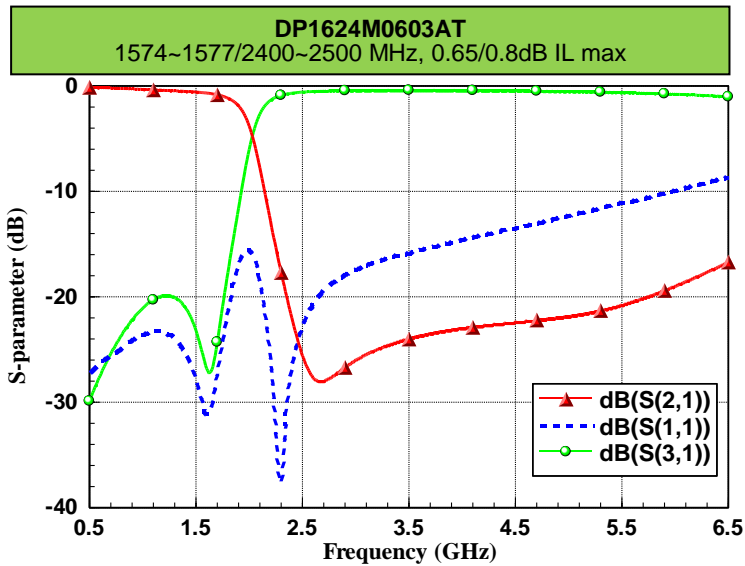
GPS 1.575GHz ~ 2.4GHz operational frequency range

Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB) min	Ripple (dB)	Size (mm)	Case Style
DP1624M0603AT	1574 ~ 1577	50	0.65	20 (2400~2500MHz)	10	--	1.60 x 0.80 x 0.60	M
	2400 ~ 2500	50	0.8	20 (1574~1577MHz)				
DP1624K0603AT	1570 ~ 1610	50	0.6 (typ.0.5)	20 (2400~2500MHz) 20 (4900~5900MHz)	10	--	1.60 x 0.80 x 0.60	K
	2400 ~ 2500 4900 ~ 5900	50	0.65 (typ.0.55)	20 (1570~1610MHz)				
DP1624K0603BT	1570 ~ 1610	50	0.65 (typ.0.55)	20 (2400~2500MHz) 20 (4900~5900MHz)	10	--	1.60 x 0.80 x 0.60	K
	2400 ~ 2500 4900 ~ 5900	50	0.65 (typ.0.55)	20 (1570~1610MHz)				
DP1624P1008AT	1570 ~ 1580	50	0.7	10 (2400~2500 MHz)	10	--	2.50 x 2.00 x 0.80	P
	2400 ~ 2500	50	3.5	42 (824~894 MHz) 42 (880~960 MHz) 33 (1570~1580 MHz) 30 (1710~1785 MHz) 33 (1850~1910 MHz) 30 (2100~2170 MHz) 40 (4800~5000 MHz) 20 (7200~7500 MHz)				

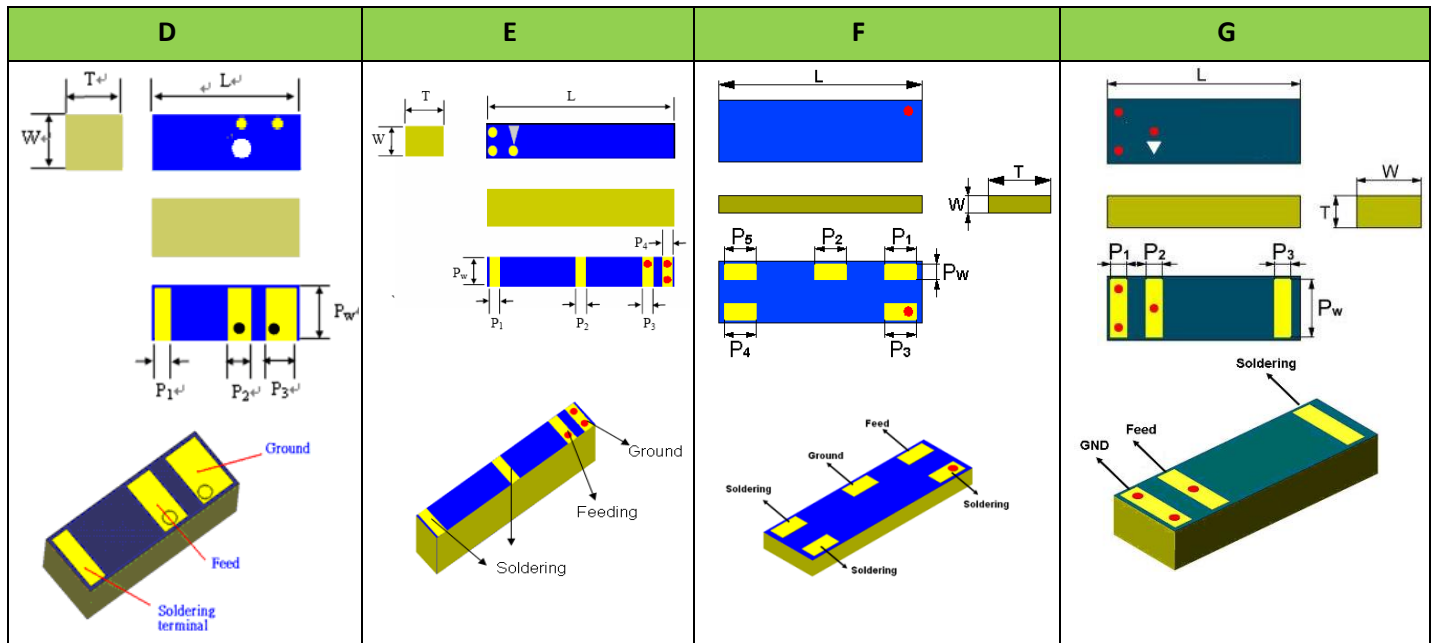
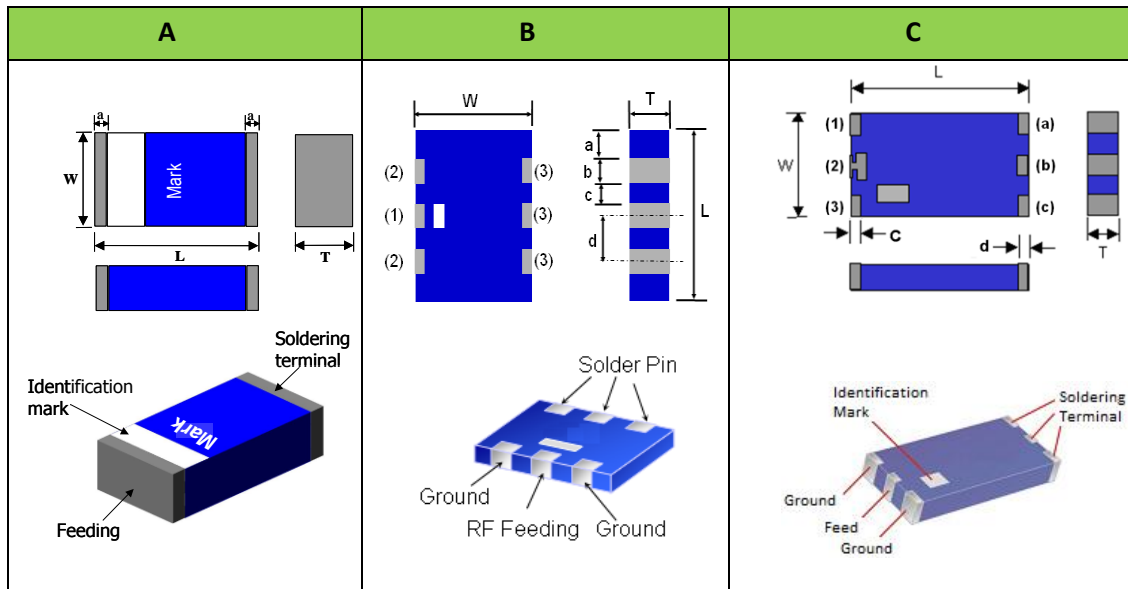
* See page 21 for Case Style Specifications

** The full data sheet can be opened by clicking on the part number above (if viewing PDF version).

Electrical Characteristics (Typical)

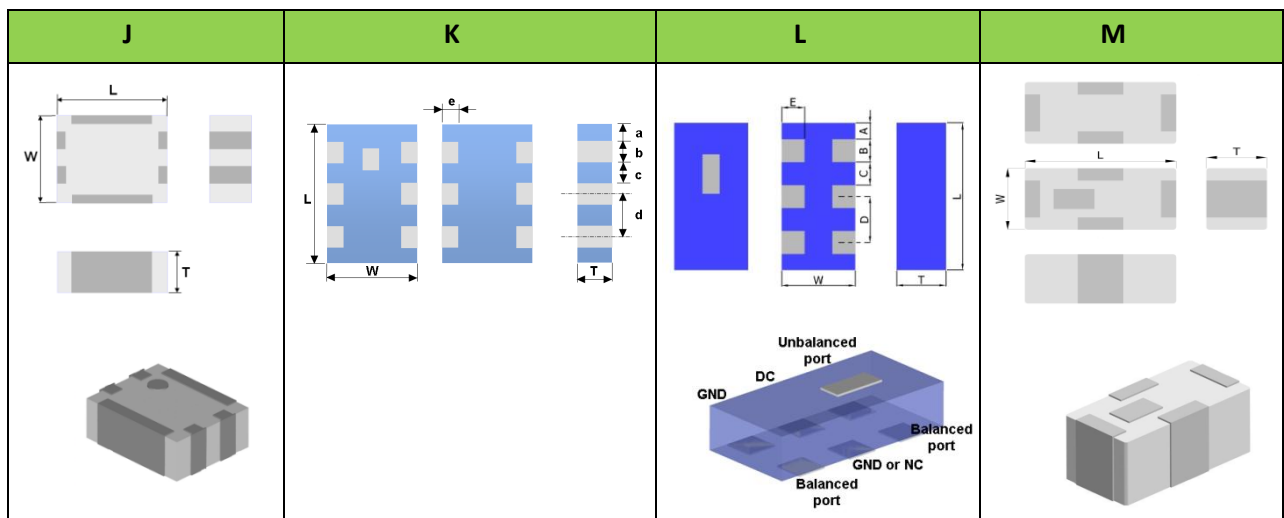
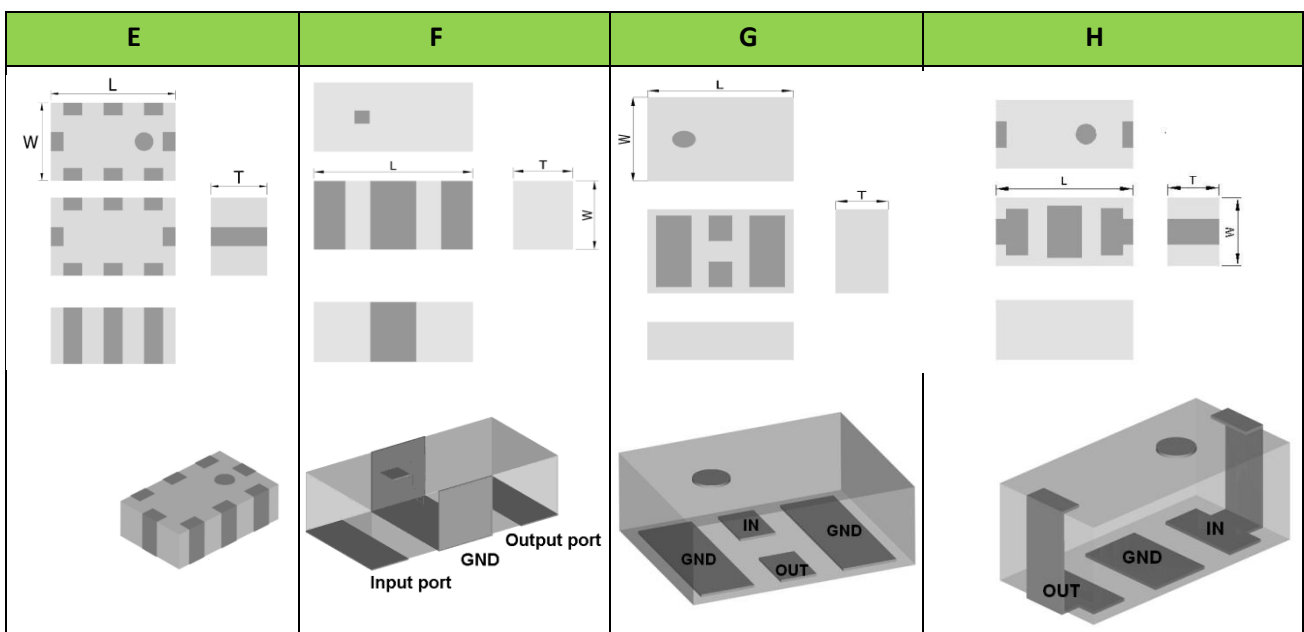
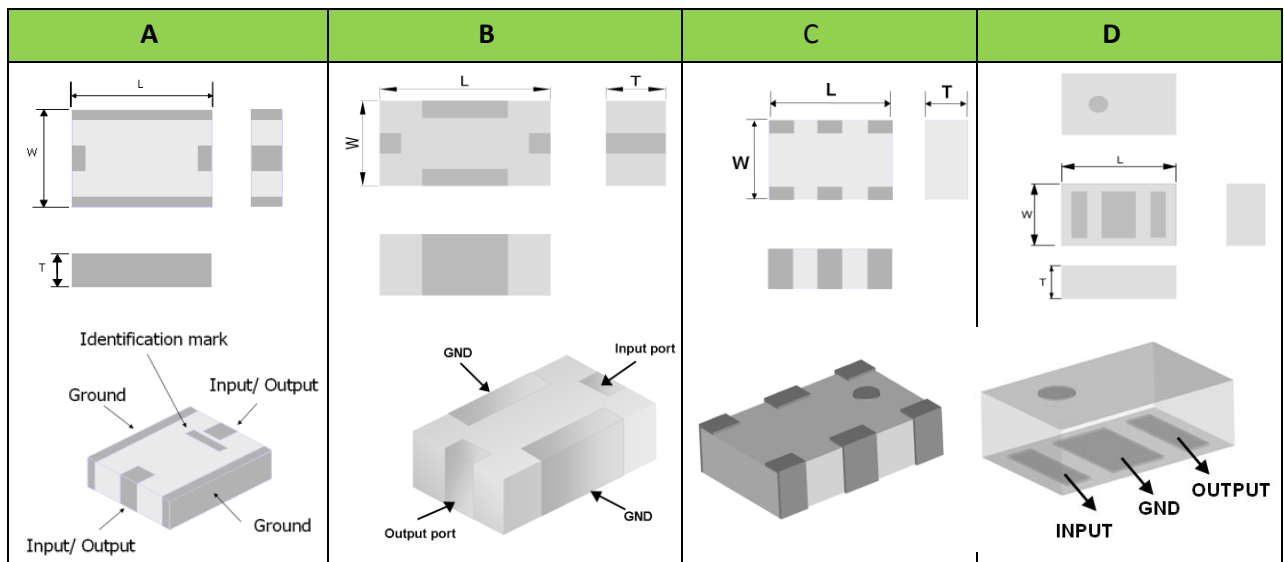


CASE STYLE SPECIFICATIONS (CHIP ANTENNAS)



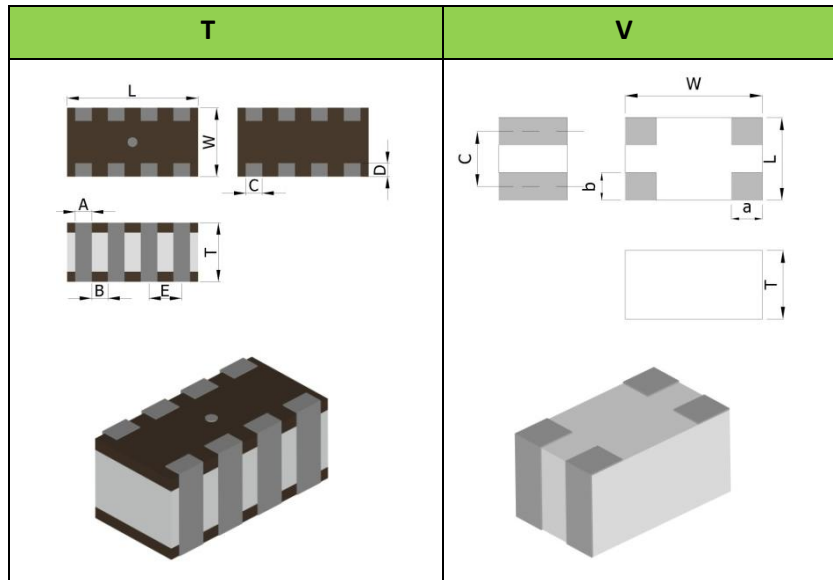
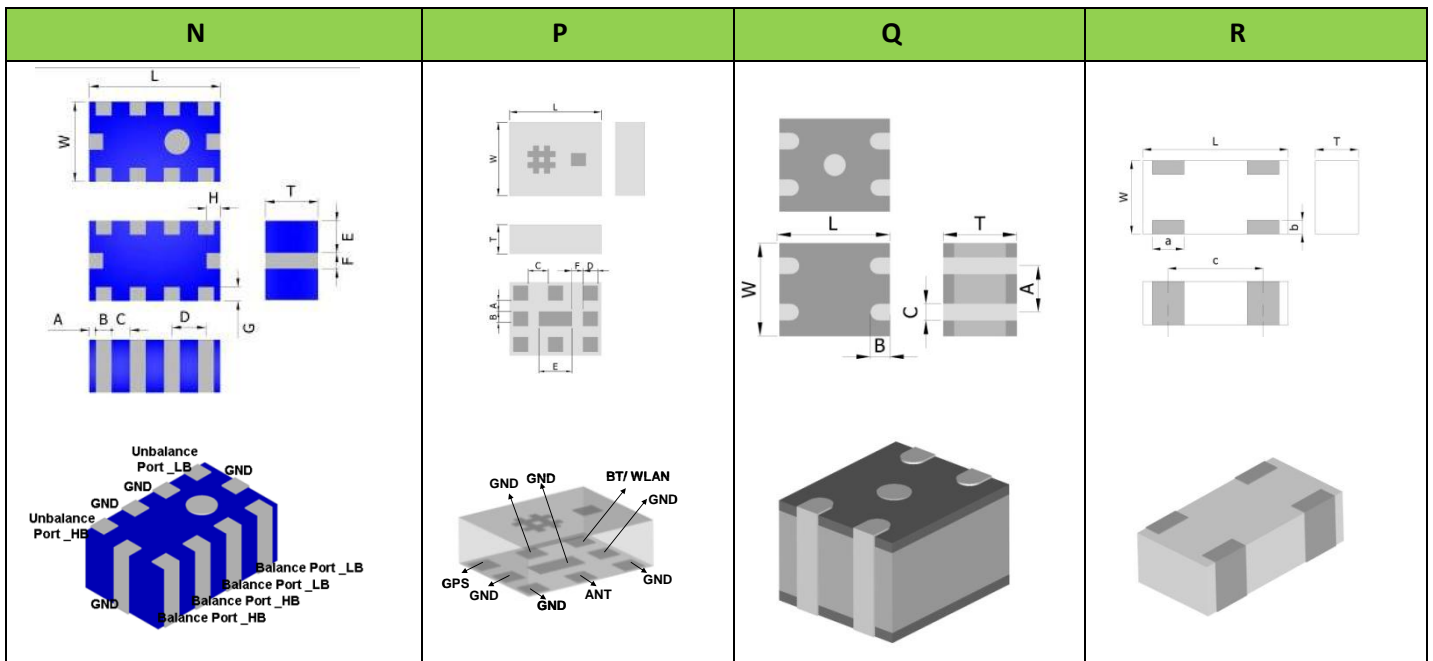
* Refer to the individual spec sheets for detailed dimensions and pin assignments

CASE STYLE SPECIFICATIONS (NON CHIP ANTENNAS)

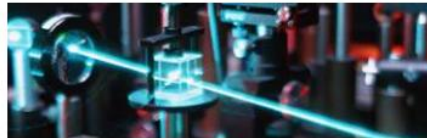


* Refer to the individual spec sheets for detailed dimensions and pin assignments

CASE STYLE SPECIFICATIONS (NON CHIP ANTENNAS)



* Refer to the individual spec sheets for detailed dimensions and pin assignments



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