



Antenna
Catalogue
2015

www.2j-antennae.com | www.2j-antennasusa.com

Introduction

2J is a worldwide supplier of antenna solutions casting our net over Automotive, Marine, Telematic, Automation and M2M markets.

With our two RF development sites in the UK and Slovakia, we have developed a reputation for engineering excellence and self-sufficiency, allowing us to provide rapid custom antenna solutions, supplementing our extensive range of off-the-shelf antenna.

In 2015, 2J is expanding its reach to the American market with new engineering and sales support office in San Diego, California. This new branch offers pre-certification testing and consulting services.

We utilise a plethora of modern engineering tools, from network analysers and anechoic chambers, to simulation software and 3D printers. These tools help reduce design phases, and enable us to react to our customers' needs promptly and efficiently.

Our ISO/TS16949:2009 certified production site in Central Europe ensures production of the highest quality products. Our antennas are all manufactured under the RoHS directive and are REACH compliant. Plastic injection, SMD pick and place, product assembly and quality control are all carried out in house, aiding us to be flexible in manufacturing and provide competitively priced products.

Our close-knit team of engineers and commercial personnel have established strong bonds with customers and suppliers, ensuring a good communication of needs, requirements and solutions.

Ensuring the continued development of products to meet the rapidly evolving wireless world remains our primary focus, be it for 4G (LTE), Iridium communications or Galileo satellite based applications. We work closely with technological innovators to ensure that we have a clear vision for future projects, maintaining our strong position in commercial antenna design.

EN ISO 9001:2008
Quality management system

ISO/TS 16949:2009
Automotive standards

EN ISO 14001:2004
Environmental



**In-House
Manufacturing**

- ⊖ customized antenna solutions
- ⊖ passive and active OTA measurements
- ⊖ pre-certification testing
- ⊖ PTCRB guidance
- ⊖ TIS noise debugging
- ⊖ emissions testing
- ⊖ rapid prototyping
- ⊖ cable assembly
- ⊖ plastic injection



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External antennas

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2J2204-C315N

CELLULAR

Key Features

Customizable Cable and Connector

- External antenna
- Connector mount



Antenna and electrical specifications

Standards	Cable 1	
Frequency (MHz)	824-960	1710-2170
VSWR	<=2.5:1	
Peak Gain (dBi)	2.2	
Impedance (Ohm)	50	
Polarisation	Linear	



Standard color
Other colors upon request

General specification

Mounting type	Connector Mount
Dimensions (mm)	82 x 20
Operating temperature	-40 to +85 °C

2JW031-C675

CELLULAR

Key Features

Customizable Cable and Connector

- External antenna
- Connector mount



Antenna and electrical specifications

Standards	Cable 1	
Frequency (MHz)	824-960	1710-2170
VSWR	<=2.5:1	
Peak Gain (dBi)	3	
Impedance (Ohm)	50	
Polarisation	Vertical	
Max. Input Power (W)	25	



Standard color
colors upon request

General specification

Mounting type	Connector Mount
Dimensions (mm)	113 x 10
Operating temperature	-40 to +85 °C

2J010-C109N

CELLULAR

Key Features

Low Profile

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	2G and 3G	
Frequency (MHz)	824-960	1710-2170
VSWR	~2.6:1	~3.2:1
Peak Gain (dBi)	~-2.8	~-0.6
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Mounting type	Connector Mount
Dimensions (mm)	53.3 x 9.5
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2J020-C20N

CELLULAR

Key Features

Low Profile
High Efficiency

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	2G and 3G	
Frequency (MHz)	824-960	1710-2170
VSWR	~1.8:1	~2.9:1
Peak Gain (dBi)	~-0.4	~-1.7
Impedance (Ohm)	50	
Polarisation	Vertical	
Max. Input Power (W)	25	

General specification

Mounting type	Connector Mount
Dimensions (mm)	55 x 9.5
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2J2104-C315N

CELLULAR

Key Features

- External antenna
- Connector mount




Antenna and electrical specifications

Standards	Cable 1	
Frequency (MHz)	824-960	1710-2170
VSWR	~2.9:1	~2.2:1
Peak Gain (dBi)	~-1.1	~-0.7
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Mounting type	Connector Mount
Dimensions (mm)	276 x 20
Operating temperature	-40 to +85 °C

Standard color:  Black
Other colors upon request

2JW0124-C737N

CELLULAR/LTE

Key Features

Connector Mount
Ultra Wide band Antenna
High Performance
Hinged Connector

- External antenna
- Connector mount





Antenna and electrical specifications

Standards	Cable 1		
Frequency (MHz)	698-960	1710-2170	2500-2700
VSWR	~2.4:1	~1.6:1	~2.2:1
Peak Gain (dBi)	~-0.4	~-2.6	~-1.3
Impedance (Ohm)	50		
Polarisation	Linear		
Max. Input Power (W)	25		

General specification

Mounting type	Connector Mount
Dimensions (mm)	171 x 38 x 13.8
Operating temperature	-40 to +85 °C

Standard color:  White  Black
Other colors upon request

2J0102-C115N

2.4 GHz ISM

Key Features

Small design

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2410-2490
VSWR	~2.4:1
Peak Gain (dBi)	~1.3
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25

General specification

Mounting type	Connector Mount
Dimensions (mm)	54.4 × 9.5
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2J0102-C366N

2.4 GHz ISM

Key Features

Small design

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2410-2490
VSWR	~1.5:1
Peak Gain (dBi)	~2.8
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25

General specification

Mounting type	Connector Mount
Dimensions (mm)	53.1 × 17.8 × 9.3
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2J0102-C20N

2.4 GHz ISM

Key Features

Small design

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2410-2490
VSWR	~1.5:1
Peak Gain (dBi)	~0
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25



Standard color
Other colors upon request

General specification

Mounting type	Connector Mount
Dimensions (mm)	54,4 × 9,5
Operating temperature	-40 to +85 °C

2J0102-C109N

2.4 GHz ISM

Key Features

Small design

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2410-2490
VSWR	~1.5:1
Peak Gain (dBi)	~0
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25



Standard color
Other colors upon request

General specification

Mounting type	Connector Mount
Dimensions (mm)	53,1 × 17,8 × 9,3
Operating temperature	-40 to +85 °C

2JOA02-2.4 GHz-C151G

2.4 GHz ISM

Key Features

Low Profile
High Efficiency

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2410-2490
VSWR	~1.9:1
Peak Gain (dBi)	~3.5
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25

General specification

Mounting type	Connector Mount
Dimensions (mm)	44 x 9.6
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2JW032-C442B

2.4 GHz ISM

Key Features

Hinged Connector
High Efficiency

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2410-2490
VSWR	~1.9:1
Peak Gain (dBi)	~1.5
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	25

General specification

Mounting type	Connector Mount
Dimensions (mm)	113 x 10
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2JW035-C442B

2.4 GHz ISM

Key Features

Hinged Connector
Low Profile

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2410-2490
VSWR	~2.1:1
Peak Gain (dBi)	~1.4
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25



Standard color

Other colors upon request

General specification

Mounting type	Connector Mount
Dimensions (mm)	76 x 10
Operating temperature	-40 to +85 °C

2JW05-C115N

2.4 GHz ISM

Key Features

High Gain
High Efficiency

- External antenna
- Connector mount



Standard color

Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2410-2490
VSWR	~1.9:1
Peak Gain (dBi)	~3.9
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25

General specification

Mounting type	Connector Mount
Dimensions (mm)	146 x 10
Operating temperature	-40 to +85 °C

2JW05-C366N

2.4 GHz ISM

Key Features

High Efficiency

- External antenna
- Connector mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2410-2490
VSWR	~1.9:1
Peak Gain (dBi)	~1.8
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25

General specification

Mounting type	Connector Mount
Dimensions (mm)	146 x 10
Operating temperature	-40 to +85 °C

2J0202-C115N

2.4/5.0 GHz ISM

Key Features

Small design
High Gain 4 dBi

- External antenna
- Connector mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2410-2490 4920-5925
VSWR	~1.4:1 ~1.7:1
Peak Gain (dBi)	~4.0 ~5.2
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25

General specification

Mounting type	Connector Mount
Dimensions (mm)	46.3 x 9.9
Operating temperature	-40 to +85 °C

2J0202-C366N

2.4/5.0 GHz ISM

Key Features

Small design
High Gain 4 dBi

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	Wifi, BT, ZiqBee, ISM	
Frequency (MHz)	2410-2490	4920-5925
VSWR	~1.4:1	~1.7:1
Peak Gain (dBi)	~4.0	~5.2
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	



Standard color
Other colors upon request

General specification

Mounting type	Connector Mount
Dimensions (mm)	46.3 x 9.9
Operating temperature	-40 to +85 °C

2JW03-C442B

2.4/5.0 GHz ISM

Key Features

Hinged Connector
High Gain 6 dBi

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	Wifi, BT, ZiqBee, ISM	
Frequency (MHz)	2410-2490	4920-5925
VSWR	~1.6:1	~1.8:1
Peak Gain (dBi)	~7.2	~5.2
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	



Standard color
Other colors upon request

General specification

Mounting type	Connector Mount
Dimensions (mm)	173 x 7-9.8
Operating temperature	-40 to +85 °C

2JOA02-5 GHz-C151G

5.0 GHz ISM

Key Features

Low Profile
High Gain 6 dBi
High Efficiency 88 %

- External antenna
- Connector mount



Antenna and electrical specifications

Standards	Cable 1
Frequency (MHz)	WiFi, ISM
VSWR	4920-5925
Peak Gain (dBi)	~1.6:1
Impedance (Ohm)	~5.3
Polarisation	50
Max. Input Power (W)	Linear
	25

General specification

Mounting type	Connector Mount
Dimensions (mm)	44 x 9.6
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2JO115-915-C20N

915 MHz ISM

Key Features

Low Profile

- External antenna
- Connector mount



Antenna and electrical specifications

Standards	Cable 1
Frequency (MHz)	ZigBee, ISM
VSWR	902-928
Peak Gain (dBi)	~2.8:1
Impedance (Ohm)	~0.03
Polarisation	50
Max. Input Power (W)	Linear
	25

General specification

Mounting type	Connector Mount
Dimensions (mm)	54.4 x 9.5
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2JO115-915-C109N

915 MHz ISM

Key Features

Low Profile

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	ZigBee, ISM
Frequency (MHz)	902-928
VSWR	~2.5:1
Peak Gain (dBi)	~0.6
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25



Standard color
Other colors upon request

General specification

Mounting type	Connector Mount
Dimensions (mm)	53.1 x 17.8 x 9.3
Operating temperature	-40 to +85 °C

2JW0815-915-C20N

915 MHz ISM

Key Features

Flexi Antenna

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	ZigBee, ISM
Frequency (MHz)	902-928
VSWR	~2.8:1
Peak Gain (dBi)	~0.03
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25



Standard color
Other colors upon request

General specification

Mounting type	Connector Mount
Dimensions (mm)	137.3 x 9.6-15.7
Operating temperature	-40 to +85 °C

2JW031-915-C675

915 MHz ISM

Key Features

Customizable Cable and Connector

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	ZigBee, ISM
Frequency (MHz)	901-929
VSWR	~1.5:1
Peak Gain (dBi)	~-2.5
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25

General specification

Mounting type	Connector Mount
Dimensions (mm)	113 x 10
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2JO115-433-C20N

433 MHz ISM

Key Features

Low profile

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	ISM
Frequency (MHz)	433
VSWR	<=2.0:1
Peak Gain (dBi)	0
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25

General specification

Mounting type	Connector Mount
Dimensions (mm)	54.4 x 9.5
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2J0115-433-C109N

433 MHz ISM

Key Features

Low profile

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	ISM
Frequency (MHz)	433
VSWR	<=2.0:1
Peak Gain (dBi)	0
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25



Standard color

Other colors upon request

General specification

Mounting type	Connector Mount
Dimensions (mm)	53.1 × 9.3 × 17.8
Operating temperature	-40 to +85 °C

2J0710-C708N

433 MHz ISM

Key Features

Small design

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	ISM
Frequency (MHz)	433
VSWR	<=2.0:1
Peak Gain (dBi)	2
Impedance (Ohm)	50
Polarisation	Linear



Standard color

Other colors upon request

General specification

Mounting type	Connector Mount
Dimensions (mm)	54.6 × 13.2
Operating temperature	-40 to +85 °C

2JW08-C20N

433 MHz ISM

Key Features

Flexi antenna

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	ISM
Frequency (MHz)	433
VSWR	<=2,0:1
Peak Gain (dBi)	2
Impedance (Ohm)	50
Polarisation	Vertical

General specification

Mounting type	Connector Mount
Dimensions (mm)	133 × 9,7-12,9
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2JW0410-C20N

433 MHz ISM

Key Features

- External antenna
- Connector mount



Antenna and electrical specifications

Cable 1

Standards	ISM
Frequency (MHz)	433
VSWR	<=2,0:1
Peak Gain (dBi)	2
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	35

General specification

Mounting type	Connector Mount
Dimensions (mm)	146 × 14,5
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2JW0410-C109N

433 MHz ISM

Key Features

Right-angle connector

- External antenna
- Connector mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	ISM
Frequency (MHz)	433
VSWR	<=2.0:1
Peak Gain (dBi)	2
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	35

General specification

Mounting type	Connector Mount
Dimensions (mm)	138 x 10
Operating temperature	-40 to +85 °C

2J474B

CELLULAR

Key Features

Customizable Cable and Connector

- External antenna
- Screw mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	2G and 3G	
Frequency (MHz)	824-960	1710-2170
VSWR	<3:1	
Peak Gain (dBi)	0	
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Mounting type	Screw Mount
Dimensions (mm)	52 x 26
Operating temperature	-40 to +85 °C
Certificates	IP65, IP69K

2J664B

CELLULAR

Key Features

Customizable Cable and Connector

- External antenna
- Screw mount



Black

Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	2G and 3G	
Frequency (MHz)	824-960	1710-2170
VSWR	<2:1	
Peak Gain (dBi)	2.5	
Impedance (Ohm)	50	
Polarisation	Linear	

General specification

Mounting type	Screw Mount
Dimensions (mm)	77.4 x 15.9 after mounting
Operating temperature	-40 to +85 °C
Certificates	IP69K, IK09

2J2024B

CELLULAR/LTE

Key Features

High Performance
Customized Cable and Connector

- External antenna
- Screw mount



Black

Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	2G, 3G and 4G		
Frequency (MHz)	698-960	1710-2170	2500-2700
VSWR	~1.4:1	~1.4:1	~1.4:1
Peak Gain (dBi)	~3.4	~2.5	~1.0
Impedance (Ohm)	50		
Polarisation	Linear		
Max. Input Power (W)	25		

General specification

Mounting type	Screw Mount
Dimensions (mm)	230.6 x 22
Operating temperature	-40 to +85 °C

2J2124-C681N

CELLULAR/LTE

Key Features

- External antenna
- Screw mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	2G,3G and 4G		
Frequency (MHz)	698-960	1710-2170	2500-2700
VSWR	~1.8:1	~1.5:1	~2.0:1
Peak Gain (dBi)	~0.3	~1.7	~2.3
Impedance (Ohm)	50		
Polarisation	Linear		
Max. Input Power (W)	25		

General specification

Mounting type	Screw Mount
Dimensions (mm)	173.3 x 22
Operating temperature	-40 to +85 °C

2J6A24Bb

CELLULAR/LTE

Key Features

Anti-Rotation Mechanism
Customizable Cable and Connector

- External antenna
- Screw mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	2G,3G and 4G		
Frequency (MHz)	698-960	1710-2170	2500-2700
VSWR	~2.1:1	~1.9:1	~2.3:1
Peak Gain (dBi)	~1.7	~3.6	~3.9
Impedance (Ohm)	50		
Polarisation	Linear		
Max. Input Power (W)	25		

General specification

Mounting type	Screw Mount
Dimensions (mm)	77.3 x 77.3 x 65.5
Operating temperature	-40 to +85 °C
Certificates	IP67, IK09, IP69K

2J410B

GPS

Key Features

Customizable Cable and Connector

- External antenna
- Screw mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	GPS
Frequency (MHz)	1575.42
VSWR	<=1.21
LNA Gain (dB)	26 @ 3 V, 28 @ 5 V
Impedance (Ohm)	50
Polarisation	RHCP
Voltage (V)	2.7 - 5.5
Current (mA)	15 - 25
Power consumpt. (mW)	40.5 - 137.5

General specification

Mounting type	Screw Mount
Dimensions (mm)	19 x 41
Operating temperature	-40 to +85 °C

2J471B

GPS

Key Features

Customizable Cable and Connector

- External antenna
- Screw mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	GPS
Frequency (MHz)	1575.42
LNA Gain (dB)	29 @ 3.3 V, 32 @ 5 V
Impedance (Ohm)	50
Polarisation	RHCP
Voltage (V)	1.8 - 5.0
Current (mA)	5 - 25
Power consumpt. (mW)	138 max.

General specification

Mounting type	Screw Mount
Dimensions (mm)	52 x 26
Operating temperature	-40 to +85 °C
Certificates	IP65

2J410BG

GPS/GLONASS

Key Features

Customizable Cable and Connector

- External antenna
- Screw mount



Standard color
Other colors upon request

Antenna and electrical specifications

Standards	Cable 1 GPS/GLONASS	
Frequency (MHz)	1575.42	1598-1610
VSWR	<=1.2:1	
LNA Gain (dB)	26 @ 3 V, 28 @ 5 V	
Impedance (Ohm)	50	
Polarisation	RHCP	
Voltage (V)	2.7 - 5.5	
Current (mA)	15 - 25	
Power consumpt. (mW)	40.5 - 137.5	

General specification

Mounting type	Screw Mount
Dimensions (mm)	19 x 41
Operating temperature	-40 to +85 °C

2J471BG

GPS/GLONASS

Key Features

Customizable Cable and Connector

- External antenna
- Screw mount



Standard color
Other colors upon request

Antenna and electrical specifications

Standards	Cable 1 GPS/GLONASS	
Frequencies (MHz)	1575.42	1592-1610
LNA Gain (dB)	29 @ 3.3 V, 32 @ 5 V	
Impedance (Ohm)	50	
Polarisation	RHCP	
Voltage (V)	1.8 - 5.0	
Current (mA)	5 - 25	
Power consumpt. (mW)	138 max.	

General specification

Mounting type	Screw Mount
Dimensions (mm)	52 x 26
Operating temperature	-40 to +85 °C
Certificates	IP65

2J472B

2.4/5.0 GHz ISM

Key Features

Low Profile
Customizable Cable and Connector

- External antenna
- Screw mount



Black

Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM	
Frequency (MHz)	2410-2490	4920-5925
VSWR	~1.5:1	~2.0:1
Peak Gain (dBi)	~2.5	~2.8
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Mounting type	Screw Mount
Dimensions (mm)	52 x 18.5
Operating temperature	-40 to +85 °C
Certificates	IP65, IP69K

2J662B

2.4/5.0 GHz ISM

Key Features

Low Profile
Anti-Rotation Mechanism
Customizable Cable and Connector

- External antenna
- Screw mount



Black

Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM	
Frequency (MHz)	2410-2490	4920-5925
VSWR	~1.2:1	~1.4:1
Peak Gain (dBi)	~4.3	~1.8
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Mounting type	Screw Mount
Dimensions (mm)	77.3 x 15.9
Operating temperature	-40 to +85 °C

2J672B

2.4/5.0 GHz ISM

Key Features

Anti-Rotation Mechanism
Customizable Cable and Connector

- External antenna
- Screw mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	Wifi, BT, ZigBee, ISM	
Frequency (MHz)	2410-2490	4920-5925
VSWR	~1.2:1	~1.4:1
Peak Gain (dBi)	~4.3	~1.8
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Mounting type	Screw Mount
Dimensions (mm)	77.3 x 37.8
Operating temperature	-40 to +85 °C
Certificates	IP67, IK09, IP69K

2J6615B-915

915 MHz ISM

Key Features

Low Profile
Customized Cable and Connector

- External antenna
- Screw mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	ZigBee, ISM	
Frequency (MHz)	902-928	
VSWR	~1.5:1	
Peak Gain (dBi)	~0.85	
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Mounting type	Screw Mount
Dimensions (mm)	77.4 x 15
Operating temperature	-40 to +85 °C

2J6A42B-915

915 MHz ISM

Key Features

Anti-Rotation Mechanism
High Gain 4 dBi

- External antenna
- Screw mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	ZigBee, ISM
Frequency (MHz)	902-928
VSWR	~1.4:1
Peak Gain (dBi)	~4.0
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	50

General specification

Mounting type	Screw Mount
Dimensions (mm)	77.3 x 66.5
Operating temperature	-40 to +85 °C
Certificates	IP67, IK09, IP69K

2J2024B-915

915 MHz ISM

Key Features

High Gain 3 dBi
Customized Cable and Connector

- External antenna
- Screw mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	ZigBee, ISM
Frequency (MHz)	902-928
VSWR	~1.6:1
Peak Gain (dBi)	~3.0
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25

General specification

Mounting type	Screw Mount
Dimensions (mm)	230.6 x 22
Operating temperature	-40 to +85 °C

2J7510B

433 MHz ISM

Key Features

- External antenna
- Screw mount



Antenna and electrical specifications

Cable 1

Standards	ISM
Frequency (MHz)	433
VSWR	<=2.0:1
Peak Gain (dBi)	2
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	50

General specification

Black
Standard color
Other colors upon request

Mounting type	Screw Mount
Dimensions (mm)	205 × 60
Operating temperature	-40 to +85 °C
Certificates	IP67

2J500LR

CELLULAR

Key Features

Customizable Cable and Connector
Diagnostic resistor

- External antenna
- Adhesive mount



Antenna and electrical specifications

Cable 1

Standards	2G and 3G
Frequency (MHz)	824-960 1710-2170
VSWR	<=2.0:1
Peak Gain (dBi)	2.2
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25

General specification

Black
Standard color
Other colors upon request

Mounting type	Connector Mount
Dimensions (mm)	6.7 x 126.5 x 22
Operating temperature	-40 to +85 °C

2J510F

CELLULAR/LTE

Key Features

Wide Band Antenna
Flexi antenna
Customizable Cable and Connector

- External antenna
- Adhesive mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	2G,3G and 4G
Frequency (MHz)	698-960/1710-2170/2500-2700
VSWR	<=2.0:1
Peak Gain (dBi)	2.14
Impedance (Ohm)	50
Polarisation	Horizontal
Max. Input Power (W)	25

General specification

Mounting type	Adhesive Mount
Dimensions (mm)	123 x 11-15 x 4.6
Operating temperature	-40 to +85 °C

2J540

CELLULAR/LTE

Key Features

Ultra Wide Band Antenna
Customizable Cable and Connector

- External antenna
- Adhesive mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	2G,3G and 4G
Frequency (MHz)	698-960 1710-2170 2500-2700
VSWR	~2.7:1 ~2.1:1 ~2.0:1
Peak Gain (dBi)	~1.8 ~1.4 ~2.1
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25

General specification

Mounting type	Adhesive Mount
Dimensions (mm)	112.5 x 60 x 11.3
Operating temperature	-40 to +85 °C

2J542F

CELLULAR/LTE

Key Features

Wide Band Antenna
Flexi antenna
Customizable Cable and Connector

- External antenna
- Adhesive mount



Antenna and electrical specifications

	Cable 1
Standards	2G,3G and 4G
Frequency (MHz)	698-960/1710-2170/2500-2700
VSWR	<=2.0:1
Peak Gain (dBi)	2,14
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	35



Standard color
Other colors upon request

General specification

Mounting type	Adhesive Mount
Dimensions (mm)	110 x 70 x 8
Operating temperature	-40 to +85 °C

2J431MP

GPS

Key Features

Customizable Cable and Connector

- External antenna
- Adhesive mount
or Magnetic mount



Antenna and electrical specifications

	Cable 1
Standards	GPS
Frequency (MHz)	1575.42
VSWR	<=1.2:1
LNA Gain (dB)	26 @ 3 V, 27 @ 5 V
Impedance (Ohm)	50
Polarisation	RHCP
Voltage (V)	2.7 - 5.5
Current (mA)	15 - 25
Power consumpt. (mW)	138



Standard color
Other colors upon request

General specification

Mounting type	Adhesive or Magnetic Mount
Dimensions (mm)	41 x 34 x 14.7
Operating temperature	-40 to +85 °C

2J433

GPS

Key Features

Customizable Cable and Connector

- External antenna
- Adhesive mount or Magnetic mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	GPS
Frequency (MHz)	1575.42
VSWR	<=1.2:1
LNA Gain (dB)	26 @ 3 V, 28 @ 5 V
Impedance (Ohm)	50
Polarisation	RHCP
Voltage (V)	2.7 - 5.5
Current (mA)	15 - 25
Power consumpt. (mW)	138

General specification

Mounting type	Adhesive or Magnetic Mount
Dimensions (mm)	14 x 38.2 x 34.2
Operating temperature	-40 to +85 °C

2J431GMP

GPS/GLONASS

Key Features

Customizable Cable and Connector

- External antenna
- Adhesive mount or Magnetic mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	GPS/GLONASS
Frequency (MHz)	1575.42 1592-1610
VSWR	<=1.2:1
LNA Gain (dB)	26 @ 3 V, 28 @ 5 V
Impedance (Ohm)	50
Polarisation	RHCP
Voltage (V)	2.7 - 5.5
Current (mA)	15 - 25
Power consumpt. (mW)	138

General specification

Mounting type	Adhesive or Magnetic Mount
Dimensions (mm)	41 x 34 x 14.7
Operating temperature	-40 to +85 °C

2J433G

GPS/GLONASS

Key Features

Customizable Cable and Connector

- External antenna
- Adhesive mount or Magnetic mount



Standard color

Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	GPS/GLONASS	
Frequency (MHz)	1575.42	1598-1610
VSWR	<=1.2:1	
LNA Gain (dB)	26 @ 3 V, 27 @ 5 V	
Impedance (Ohm)	50	
Polarisation	RHCP	
Voltage (V)	2.7 - 5.5	
Current (mA)	15 - 25	
Power consumpt. (mW)	138	

General specification

Mounting type	Adhesive or Magnetic Mount
Dimensions (mm)	14 x 38.2 x 34.2
Operating temperature	-40 to +85 °C

2J9101P

GPS/GLONASS

Key Features

Active GPS/GLONASS
Customizable Cable and Connector

- External antenna
- Adhesive mount



Standard color

Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	GPS/GLONASS	
Frequency (MHz)	1575.42	1598-1610
VSWR	<=1.2:1	
LNA Gain (dB)	23 @ 3 V, 24 @ 5 V	
Impedance (Ohm)	50	
Polarisation	RHCP	
Voltage (V)	2.7 - 5.5	
Current (mA)	15 - 25	
Power consumpt. (mW)	40.5 - 137.5	

General specification

Mounting type	Adhesive Mount
Dimensions (mm)	74 x 35
Operating temperature	-40 to +85 °C

2J301M

CELLULAR

Key Features

Low Profile
Customizable Cable and Connector

- External antenna
- Magnetic mount



Antenna and electrical specifications

Cable 1

Standards	2G and 3G	
Frequency (MHz)	824-960	1710-2170
VSWR	~1.6:1	~1.8:1
Peak Gain (dBi)	~1.7	~0.3
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Mounting type	Magnetic Mount
Dimensions (mm)	30.9 x 71.5
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2J310M

CELLULAR

Key Features

Wide Band Antenna
Customizable Cable and Connector

- External antenna
- Magnetic mount



Antenna and electrical specifications

Cable 1

Standards	2G and 3G	
Frequency (MHz)	824-960/1710-2170	
Peak Gain (dBi)	5	
Impedance (Ohm)	50	
Polarisation	Vertical	
Max. Input Power (W)	30	

General specification

Mounting type	Magnetic Mount
Dimensions (mm)	31 x 233
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2J300M

CELLULAR/LTE

Key Features

High Performance
Customizable Cable and Connector

- External antenna
- Magnetic mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	2G,3G and 4G		
Frequency (MHz)	698-960	1710-2170	2500-2700
VSWR	~1.9:1	~1.5:1	~1.3:1
Peak Gain (dBi)	~1.0	~2.4	~2.1
Impedance (Ohm)	50		
Polarisation	Linear		
Max. Input Power (W)	35		

General specification

Mounting type	Magnetic Mount
Dimensions (mm)	31 x 72
Operating temperature	-40 to +85 °C

2J7524M

CELLULAR/LTE

Key Features

High Performance
Customizable Cable and Connector

- External antenna
- Magnetic mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	2G,3G and 4G		
Frequency (MHz)	698-960	1710-2170	2500-2700
VSWR	~2.1:1	~1.6:1	~1.5:1
Peak Gain (dBi)	~7.6	~3.9	~3.5
Impedance (Ohm)	50		
Polarisation	Linear		
Max. Input Power (W)	25		

General specification

Mounting type	Magnetic Mount
Dimensions (mm)	95 x 54
Operating temperature	-40 to +85 °C
Certificates	IP67

2J9A24M

CELLULAR/LTE

Key Features

Customizable Cable and Connector

- External antenna
- Magnetic mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	2G,3G and 4G
Frequency (MHz)	698-960/1710-2170/2500-2700
VSWR	<2.5:1
Peak Gain (dBi)	2
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	50

General specification

Mounting type	Magnetic Mount
Dimensions (mm)	74 × 79
Operating temperature	-40 to +85 °C
Certificates	IP67

2J7502Ma

2.4 GHz ISM

Key Features

Customizable Cable and Connector

- External antenna
- Magnetic mount



Standard color
Other colors upon request

Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2410-2490
VSWR	<2.0:1
Peak Gain (dBi)	5
Impedance (Ohm)	50
Polarisation	Linear

General specification

Mounting type	Magnetic Mount
Dimensions (mm)	60 × 141.5
Operating temperature	-40 to +85 °C
Certificates	IP67

2J6302MP

2.4/5.0 GHz ISM

Key Features

Customizable Cable and Connector

- External antenna
- Magnetic mount



Antenna and electrical specifications

Cable 1

Standards	Wifi, BT, ZigBee, ISM	
Frequency (MHz)	2410-2490	4920-5925
VSWR	~1.3:1	~1.3:1
Peak Gain (dBi)	~2.0	~1.6
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Black
Standard color
Other colors upon request

Mounting type	Magnetic Mount
Dimensions (mm)	52.5 x 14.3
Operating temperature	-40 to +85 °C
Certificates	IP67

2J7510M

433 MHz ISM

Key Features

Customizable Cable and Connector

- External antenna
- Magnetic mount



Antenna and electrical specifications

Cable 1

Standards	ISM	
Frequency (MHz)	433	
VSWR	<2.0:1	
Peak Gain (dBi)	2	
Impedance (Ohm)	50	
Polarisation	Vertical	
Max. Input Power (W)	50	

General specification

Black
Standard color
Other colors upon request

Mounting type	Magnetic Mount
Dimensions (mm)	54 x 201.9
Operating temperature	-40 to +85 °C
Certificates	IP67

2J6026M

IRIDIUM

Key Features

Excellent performance at low orbit
Low profile
Customizable Cable and Connector

- External antenna
- Magnetic mount



Antenna and electrical specifications

Cable 1

Standards	IRIDIUM
Frequency (MHz)	1616-1626
VSWR	<1.5:1
Gain (dBiC)	3
Impedance (Ohm)	50
Polarisation	RHCP

General specification

Mounting type	Magnetic Mount
Dimensions (mm)	80 x 76 x 13
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2JWIFI12

2.4/5.0 GHz ISM

Key Features

High Gain
Directional Antenna
Customizable Cable and Connector

- External antenna
- Mast mount



Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM	
Frequency (MHz)	2410-2490	4920-5925
VSWR	~1.6:1	~1.8:1
Peak Gain (dBi)	~7.2	~5.2
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Mounting type	Mast Mount
Dimensions (mm)	104 x 104 x 90
Operating temperature	-40 to +85 °C

White Black
Standard color
Other colors upon request

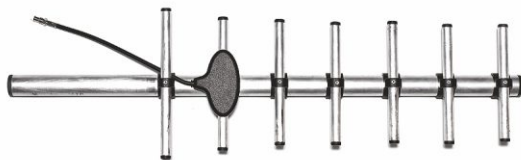
2JYAGI900-7

915 MHz ISM

Key Features

High Gain 7.2 dBi
Directional Antenna
Customizable Cable and Connector

- External antenna
- Mast mount



Antenna and electrical specifications

Cable 1

Standards	ZigBee, ISM
Frequency (MHz)	902-928
VSWR	~4.3:1
Peak Gain (dBi)	~7.2
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	25

General specification

Mounting type	Mast Mount
Dimensions (mm)	610 x 123.7 x 48
Operating temperature	-40 to +85 °C

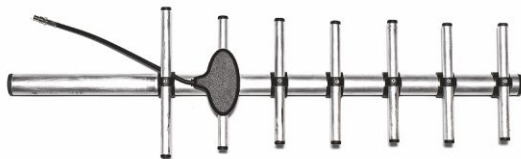
2JYAGI433-7

433 MHz ISM

Key Features

High Gain 11.8 dBi
Directional Antenna
Customizable Cable and Connector

- External antenna
- Mast mount



Antenna and electrical specifications

Cable 1

Standards	ISM
Frequency (MHz)	433
VSWR	<4.0:1
Peak Gain (dBi)	11.8
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	150

General specification

Mounting type	Mast Mount
Dimensions (mm)	1050 x 350
Operating temperature	-40 to +85 °C

2J2104GP

CELLULAR

Key Features

Wall bracket included
Customized Cable and Connector

- External antenna
- Wall mount



Antenna and electrical specifications

Cable 1

Standards	2G and 3G	
Frequency (MHz)	824-960	1710-2170
VSWR	<3.0:1	
Peak Gain (dBi)	2.2	
Impedance (Ohm)	50	
Polarisation	Linear	

General specification

Mounting type	Wall Mount
Dimensions (mm)	155 × 368 × 36
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2J205GP

CELLULAR/LTE

Key Features

High Performance
Wall bracket included
Customizable Cable and Connector

- External antenna
- Wall mount



Antenna and electrical specifications

Cable 1

Standards	2G,3G and 4G		
Frequency (MHz)	698-960	1710-2170	2500-2700
VSWR	<~2.8:1	~2.5:1	~2.7:1
Peak Gain (dBi)	~3.0	~2.3	~0.7
Impedance (Ohm)	50		
Polarisation	Linear		
Max. Input Power (W)	25		

General specification

Mounting type	Wall Mount
Dimensions (mm)	208.3 × 16
Operating temperature	-40 to +85 °C

Black
Standard color
Other colors upon request

2J2024GP

CELLULAR/LTE

Key Features

High Performance
Wall bracket included
Customized Cable and Connector

- External antenna
- Wall mount



Antenna and electrical specifications

Cable 1

Standards	2G,3G and 4G		
Frequency (MHz)	698-960	1710-2170	2500-2700
VSWR	~1.4:1	~1.4:1	~1.4:1
Peak Gain (dBi)	~3.4	~2.5	~1.0
Impedance (Ohm)	50		
Polarisation	Linear		
Max. Input Power (W)	25		

General specification

Black
Standard color
Other colors upon request

Mounting type	Wall Mount
Dimensions (mm)	230.6 x 22
Operating temperature	-40 to +85 °C

2J230GP

2.4/5.0 GHz ISM

Key Features

High Gain
Wall bracket included
Customizable Cable and Connector

- External antenna
- Wall mount



Antenna and electrical specifications

Cable 1

Standards	Wifi, BT, ZigBee, ISM	
Frequency (MHz)	2410-2490	4920-5925
VSWR	~1.9:1	~1.9:1
Peak Gain (dBi)	~2.9	~4.0
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Black
Standard color
Other colors upon request

Mounting type	Wall Mount
Dimensions (mm)	16 x 16 x 208.3
Operating temperature	-40 to +85 °C



2J6A41B

CELLULAR/LTE
GPS

Key Features

Active GPS
Anti-Rotation Mechanism
Customizable Cable and Connector

- Combination antenna
- Screw mount



Antenna and electrical specifications

	Cable 1		Cable 2
Standards	2G,3G and 4G		GPS
Frequency (MHz)	698-960	1710-2170	1575.42
VSWR	~2.2:1	~1.5:1	<=1.5:1
Peak Gain (dBi)	~2	~4	~2.4:1
Impedance (Ohm)		50	
Polarisation		Linear	RHCP
Max. Input Power (W)		25	
LNA Gain (dB)			23 @ 3 V
Voltage (V)			2.7 - 5.5
Current (mA)			15 - 25
Power consumpt. (mW)			40.5 - 137.5

General specification

Mounting type	Screw Mount
Dimensions (mm)	77.3 x 65.5
Operating temperature	-40 to +85 °C
Certificates	IP67, IK09, IP69K



Standard color

Other colors upon request

2J6A41BG

CELLULAR/LTE
GPS/GLONASS

Key Features

Active GPS/GLONASS
Anti-Rotation Mechanism
Customizable Cable and Connector

- Combination antenna
- Screw mount



Antenna and electrical specifications

Standards	Cable 1			Cable 2	
	2G,3G and 4G			GPS/GLONASS	
Frequency (MHz)	698-960	1710-2170	2500-2700	1575.42	1598-1610
VSWR	~2.2:1	~1.5:1	~1.6:1	<=1.5:1	
Peak Gain (dBi)	~2	~4	~3.5		
Impedance (Ohm)		50		50	
Polarisation		Linear		RHCP	
Max. Input Power (W)		25			
LNA Gain (dB)				23 @ 3 V	
Voltage (V)				2.7 - 5.5	
Current (mA)				15 - 25	
Power consumpt. (mW)				40.5 - 137.5	

White Black
Standard color
Other colors upon request

General specification

Mounting type	Screw Mount
Dimensions (mm)	77.3 x 65.5
Operating temperature	-40 to +85 °C
Certificates	IP67, IK09, IP69K

2J7500B

CELLULAR/LTE

Key Features

High Performance
Customizable Cable and Connector

- Combination antenna
- Screw mount



Antenna and electrical specifications

Standards	Cable 1			Cable 2	
	2G,3G and 4G			GPS/GLONASS	
Frequency (MHz)	698-960	1710-2170	2500-2700	1575.42	1598-1610
VSWR	~2.1:1	~1.6:1	~1.5:1	<=1.2:1	
Peak Gain (dBi)	~-5.9	~-3.9	~-13.7		
Impedance (Ohm)		50		50	
Polarisation		Linear		RHCP	
Max. Input Power (W)		25			
LNA Gain (dB)				26 @ 3 V, 27 @ 5 V	
Voltage (V)				2.7 - 5.5	
Current (mA)				15 - 25	
Power consumpt. (mW)				40.5 - 137.5	

Black
Standard color
Other colors upon request

General specification

Mounting type	Screw Mount
Dimensions (mm)	60 x 114.5
Operating temperature	-40 to +85 °C
Certificates	IP67

2J9A41B

CELLULAR/LTE
GPS/GLONASS

Key Features

Active GPS/GLONASS
Customizable Cable and Connector

- Combination antenna
- Screw mount



Antenna and electrical specifications

	Cable 1	Cable 2
Standards	2G,3G and 4G	GPS/GLONASS
Frequency (MHz)	698-960/1710-2170/2500-2700	1575.42 1598-1610
VSWR	<3:1	<1.5:1
Peak Gain (dBi)	2	50
Impedance (Ohm)	50	50
Polarisation	Linear	RHCP
Max. Input Power (W)	25	
LNA Gain (dB)		23dB @ 3V / 24dB @ 5V
Voltage (V)		2.7 - 5.5
Current (mA)		15 - 25
Power consumpt. (mW)		40.5 - 137.5



General specification

Mounting type	Screw Mount
Dimensions (mm)	74 x 82
Operating temperature	-40 to +85 °C
Certificates	IP67

2J9A24Ha

CELLULAR/LTE MIMO

Key Features

Customizable Cable and Connector

- Combination antenna
- Screw mount



Antenna and electrical specifications

	Cable 1	Cable 2
Standards	2G,3G and 4G	2G,3G and 4G
Frequency (MHz)	698-960/1710-2170/2500-2700	698-960/1710-2170/2500-2700
VSWR	<2.5:1	<2.5:1
Peak Gain (dBi)	2	2
Impedance (Ohm)	50	50
Polarisation	Linear	Linear
Max. Input Power (W)	50	50



General specification

Mounting type	Screw Mount
Dimensions (mm)	74 x 79
Operating temperature	-40 to +85 °C
Certificates	IP67

2J9547

CELLULAR/LTE MIMO
2.4/5.0 GHz ISM MIMO

Key Features

High Efficiency
High gloss design
UV stable
Customizable Cable
and Connector

- Combination antenna
- Screw mount



Antenna and electrical specifications

Standards

Frequency (MHz)

VSWR

Peak Gain (dBi)

Impedance (Ohm)

Polarisation

Max. Input Power (W)

Cable 1 & 2
2G,3G and 4G
698-960/1710-2170/2500-2700
<3:1
3
50
Linear
20

Cable 3 & 4

WiFi, BT, ZigBee, ISM
2410-2490, 4920-5925
<3:1
2 @ 2.4 GHz, 5 @ 5 GHz
50
Linear
10



Standard color

Other colors upon request

General specification

Mounting type

Dimensions (mm)

Operating temperature

Certificates

Screw Mount

280 × 280 × 118 (150mm with base foot)

-40 to +85 °C

IP69

2J663B

GPS
2.4/5.0 GHz ISM

Key Features

Low profile
Customizable Cable
and Connector

- Combination antenna
- Screw mount



Antenna and electrical specifications

Standards

Frequency (MHz)

VSWR

Peak Gain (dBi)

Impedance (Ohm)

Polarisation

Max. Input Power (W)

LNA Gain (dB)

Voltage (V)

Current (mA)

Power consumpt. (mW)

Cable 1
GPS
1575.42
<=1.2:1
50
RHCP
26dB @ 3V, 28dB @ 5V
3 - 5
15 - 25
125

Cable 2

WiFi, BT, ZigBee, ISM
2410-2490, 4920-5925
<2:1
5 @ 2.4 GHz
50
Horizontal
25



Standard color

Other colors upon request

General specification

Mounting type

Dimensions (mm)

Operating temperature

Screw Mount

70 × 15

-40 to +85 °C

2J673B

GPS

2.4/5.0 GHz ISM

Key Features

Active GPS
Anti-Rotation Mechanism
Customizable Cable and Connector

- Combination antenna
- Screw mount



Antenna and electrical specifications

	Cable 1	Cable 2
Standards	WiFi, BT, ZigBee, ISM	GPS
Frequency (MHz)	2410-2490	1575.42
VSWR	~1.2:1	~1.4:1
Peak Gain (dBi)	~4.3	~1.8
Impedance (Ohm)	50	50
Polarisation	Linear	RHCP
Max. Input Power (W)	25	
LNA Gain (dB)		26 @ 3 V
Voltage (V)		3 - 5
Current (mA)		15 - 25
Power consumpt. (mW)		45 - 125

General specification

Mounting type	Screw Mount
Dimensions (mm)	77.3 x 37.8
Operating temperature	-40 to +85 °C



Standard color
Other colors upon request

2J7507B

GPS

433 MHz ISM

Key Features

Active GPS
Customizable Cable and Connector

- Combination antenna
- Screw mount



Antenna and electrical specifications

	Cable 1	Cable 2
Standards	GPS	ISM
Frequency (MHz)	1575.42	433
VSWR	<=1.5:1	<=2.0:1
Peak Gain (dBi)		2
Impedance (Ohm)	50	50
Polarisation	RHCP	Linear
Max. Input Power (W)		50
LNA Gain (dB)	25dB @ 3V, 27dB @ 5V	
Voltage (V)	2.7 - 5.5	
Current (mA)	15 - 25	
Power consumpt. (mW)	40.5 - 137.5	

General specification

Mounting type	Screw Mount
Dimensions (mm)	60 x 220
Operating temperature	-40 to +85 °C



Standard color
Other colors upon request

2J425

CELLULAR
GPS

Key Features

Active GPS
Customizable Cable
and Connector

- Combination antenna
- Adhesive mount



Antenna and electrical specifications

Standards
Frequency (MHz)
VSWR
Peak Gain (dBi)
Impedance (Ohm)
Polarisation
Max. Input Power (W)
LNA Gain (dB)
Voltage (V)
Current (mA)
Power consumpt. (mW)

	Cable 1		Cable 2
Standards	2G and 3G		GPS
Frequency (MHz)	824-960	1710-2170	1575.42
VSWR	<2:1		
Peak Gain (dBi)	0		
Impedance (Ohm)	50		50
Polarisation	Horizontal		RHCP
Max. Input Power (W)	35		
LNA Gain (dB)			26dB @ 3V, 27dB @ 5V
Voltage (V)			2.7 - 5.5
Current (mA)			15 - 25
Power consumpt. (mW)			40.5 - 137.5



Standard color
Other colors upon request

General specification

Mounting type
Dimensions (mm)
Operating temperature
Certificates

Adhesive Mount
14.3 x 77 x 34
-40 to +85 °C
IP67

2J620P

CELLULAR
GPS

Key Features

Active GPS
Customizable Cable and Connector

- Combination antenna
- Adhesive mount



Antenna and electrical specifications

Standards
Frequency (MHz)
VSWR
Peak Gain (dBi)
Impedance (Ohm)
Polarisation
Max. Input Power (W)
LNA Gain (dB)
Voltage (V)
Current (mA)
Power consumpt. (mW)

	Cable 1		Cable 2
Standards	2G and 3G		GPS
Frequency (MHz)	824-960	1710-2170	1575.42
VSWR	~1.6:1	~2.4:1	<=1.5:1
Peak Gain (dBi)	~1.5	~0.5	
Impedance (Ohm)	50		50
Polarisation	Linear		RHCP
Max. Input Power (W)	25		
LNA Gain (dB)			26 @ 3 V
Voltage (V)			2.7 - 5.5
Current (mA)			15 - 25
Power consumpt. (mW)			40.5 - 137.5



Standard color
Other colors upon request

General specification

Mounting type
Dimensions (mm)
Operating temperature

Adhesive Mount
77 x 12
-40 to +85 °C

2J630MP

CELLULAR
GPS

Key Features

Customizable Cable and Connector

- Combination antenna
- Magnetic / Adhesive mount



Antenna and electrical specifications

	Cable 1		Cable 2
Standards	2G and 3G		GPS
Frequency (MHz)	824-960	1710-2170	1575.42
VSWR	~1.6:1	~2.4:1	<=1.5:1
Peak Gain (dBi)	~1.5	~0.5	
Impedance (Ohm)	50		50
Polarisation	Linear		RHCP
Max. Input Power (W)	25		
LNA Gain (dB)			26 @ 3 V
Voltage (V)			2.7 - 5.5
Current (mA)			15 - 25
Power consumpt. (mW)			40.5 - 137.5



Standard color

Other colors upon request

General specification

Mounting type	Magnetic / Adhesive Mount
Dimensions (mm)	77 x 12
Operating temperature	-40 to +85 °C

2J7539M

GPS
915 MHz ISM

Key Features

High Performance
Customizable Cable and Connector

- Combination antenna
- Magnetic mount



Antenna and electrical specifications

	Cable 1	Cable 2	
Standards	ZigBee, ISM	GPS/GLONASS	
Frequency (MHz)	902-928	1575.42	1598-1610
VSWR	~1.2:1		<=1.2:1
Peak Gain (dBi)	~3.9		
Impedance (Ohm)	50		50
Polarisation	Linear		RHCP
Max. Input Power (W)	25		
LNA Gain (dB)			26 @ 3V / 27dB @ 5V
Voltage (V)			2.7 - 5.5
Current (mA)			15 - 25
Power consumpt. (mW)			40.5 - 137.5



Standard color

Other colors upon request

General specification

Mounting type	Magnetic Mount
Dimensions (mm)	60 x 60 x 97
Operating temperature	-40 to +85 °C
Certificates	IP67

2J7507M

GPS
433 MHz ISM

Key Features

Active GPS
Customizable Cable and Connector

- Combination antenna
- Magnetic mount



Antenna and electrical specifications

Standards
Frequency (MHz)
VSWR
Peak Gain (dBi)
Impedance (Ohm)
Polarisation
Max. Input Power (W)
LNA Gain (dB)
Voltage (V)
Current (mA)
Power consumpt. (mW)

Cable 1

GPS
1575.42
<=1.5:1
50
RHCP
25dB @ 3V, 27dB @ 5V
2.7 - 5.5
15 - 25
40.5 - 137.5

Cable 2

ISM
433
<=2.0:1
2
50
Linear
50



Standard color
Other colors upon request

General specification

Mounting type
Dimensions (mm)
Operating temperature

Magnetic Mount
59.5 x 200.2
-40 to +85 °C

2J7529M

GPS
ORBCOMM

Key Features

Active GPS/GLONASS
Customizable Cable and Connector

- Combination antenna
- Magnetic mount



Antenna and electrical specifications

Standards
Frequency (MHz)
VSWR
Peak Gain (dBi)
Impedance (Ohm)
Polarisation
LNA Gain (dB)
Voltage (V)
Current (mA)
Power consumpt. (mW)

Cable 1

GPS/GLONASS
1575.42 1598-1610
<1.2:1
50
RHCP
26dB @ 3V / 27dB @ 5V
2.7 - 5.5
15 - 25
40.5 - 137.5

Cable 2

ORBCOMM
137-150
<2.0:1
0
50
Linear



Standard color
Other colors upon request

General specification

Mounting type
Dimensions (mm)
Operating temperature

Magnetic Mount
54 x 406.2
-40 to +85 °C



2JF0104

CELLULAR

Key Features

Embedded Antenna
 High Performance
 Customizable Cable and Connector
 Flexible Polymer

- Internal antenna
- Self-Adhesive



Antenna and electrical specifications

Standards	Cable 1	
Frequency (MHz)	824-960	1710-2170
VSWR	<=3:1	<=3:1
Peak Gain (dBi)	~0	~2.2
Impedance (Ohm)	50	
Polarisation	Linear	

General specification

Mounting type	Self-Adhesive
Dimensions (mm)	40 x 15 x 0.14
Operating temperature	-40 to +85 °C

2JP0104

CELLULAR

Key Features

Embedded Antenna
High Performance
Rigid Fiberglass
Customizable Cable and Connector

- Internal antenna
- Self-Adhesive



Antenna and electrical specifications

Standards	Cable 1	
Frequency (MHz)	824-960	1710-2170
VSWR	$\leq 3:1$	$\leq 3:1$
Peak Gain (dBi)	~ 1	~ 3
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Mounting type	Self-Adhesive
Dimensions (mm)	75 x 25 x 0.8
Operating temperature	-40 to +85 °C

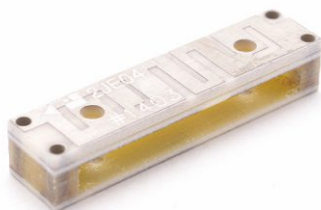
2JE04

CELLULAR

Key Features

Embedded Antenna
Low Cost
SMT Fiberglass

- Internal antenna
- Surface mount



2JDB0304 Evaluation Board

Antenna and electrical specifications

Standards	Cable 1	
Frequency (MHz)	824-960	1710-2170
VSWR	$\leq 3:1$	$\leq 3:1$
Peak Gain (dBi)	~ 1	~ 3
Impedance (Ohm)	50	
Polarisation	Linear	

General specification

Mounting type	Surface Mount
Dimensions (mm)	25 x 5.5 x 4.4
Operating temperature	-40 to +85 °C

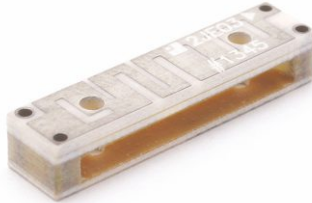
2JE03

CELLULAR

Key Features

Embedded Antenna
Low Cost
SMT Fiberglass

- Internal antenna
- Surface mount



2JDB0303 Evaluation Board

Antenna and electrical specifications

Table 1

Standards	2G and 3G	
Frequency (MHz)	824-960	1710-2170
VSWR	<=3:1	<=3:1
Peak Gain (dBi)	~1	~3
Impedance (Ohm)	50	
Polarisation	Linear	

General specification

Mounting type	Surface Mount
Dimensions (mm)	24 x 5.5 x 4.4
Operating temperature	-40 to +85 °C

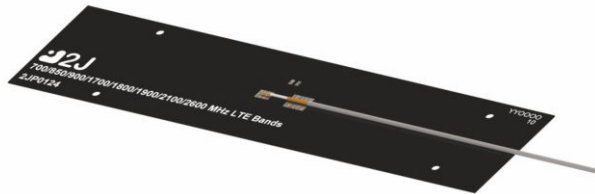
2JP0124

CELLULAR/LTE

Key Features

Embedded Antenna
Ultra Wide band Antenna
High Performance
Rigid Fiberglass

- Internal antenna
- Adhesive mount



Antenna and electrical specifications

Table 1

Standards	2G, 3G and 4G		
Frequency (MHz)	698-960	1710-2170	2500-2700
VSWR	~1.7:1	~1.1:1	~1.7:1
Peak Gain (dBi)	~1.5	~3.1	~3.5
Impedance (Ohm)	50		
Polarisation	Linear		
Max. Input Power (W)	25		

General specification

Mounting type	Adhesive Mount
Dimensions (mm)	136.8 x 32.6 x 0.8
Operating temperature	-40 to +85 °C

2JP0224

CELLULAR/LTE

Key Features

Embedded Antenna
Customizable Cable and Connector
High Performance
Rigid Fiberglass

- Internal antenna
- Adhesive mount



Antenna and electrical specifications

	Cable 1	
Standards	2G,3G and 4G	
Frequency (MHz)	698-960	1710-2170
VSWR	~1.7:1	~1.6:1
Peak Gain (dBi)	~0.8	~2.7
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Mounting type	Adhesive Mount
Dimensions (mm)	114.65 x 19.0 x 0.8
Operating temperature	-40 to +85 °C

2JCP1844

PASSIVE GPS

Key Features

Embedded Antenna
Thru Hole Ceramic Patch

- Internal antenna
- Thru hole mount



2JDB0101
Evaluation Board

Antenna and electrical specifications

	Cable 1
Standards	GPS
Frequency (MHz)	1575.42
	on 70x 70 mm Ground plane
VSWR	<=1.5:1
Gain (dBiC)	-1 dBiC
Impedance (Ohm)	50
Polarisation	RHCP

General specification

Mounting type	Thru hole Mount
Dimensions (mm)	18 x 18 x 4
Operating temperature	-40 to +85 °C

2JCP2544

PASSIVE GPS

Key Features

Embedded Antenna
Thru Hole Ceramic Patch

- Internal antenna
- Thru hole mount



2JDB0101
Evaluation Board

Antenna and electrical specifications

Cable 1

Standards	GPS
Frequency (MHz)	1575.42 on 70x70 mm Ground plane
VSWR	<=1.5:1
Gain (dBiC)	-1 dBiC
Impedance (Ohm)	50
Polarisation	RHCP

General specification

Mounting type	Thru hole Mount
Dimensions (mm)	25 x 25 x 4
Operating temperature	-40 to +85 °C

2JCP2544G

PASSIVE GNSS

Key Features

Embedded Antenna
Thru Hole Ceramic Patch

- Internal antenna
- Thru hole mount



2JDB0101
Evaluation Board

Antenna and electrical specifications

Cable 1

Standards	GPS/GLONASS
Frequency (MHz)	1575.42 1598 - 1606 on 70x70 mm Ground plane
VSWR	<=1.5:1
Gain (dBiC)	-2 dBiC
Impedance (Ohm)	50
Polarisation	RHCP

General specification

Mounting type	Thru hole Mount
Dimensions (mm)	25 x 25 x 4
Operating temperature	-40 to +85 °C

2JCP3531

PASSIVE GNSS

Key Features

Embedded Antenna
Thru Hole Ceramic Patch

- Internal antenna
- Thru hole mount



2JDB0101
Evaluation Board

Antenna and electrical specifications

Cable 1

Standards	GPS/QZSS/Glonass/BeiDou
Frequency (MHz)	1575.42, 1598 - 1606, 1561 on 70x 70 mm Ground plane
VSWR	<=1.5:1
Gain (dBiC)	-2 dBiC
Impedance (Ohm)	50
Polarisation	RHCP

General specification

Mounting type	Thru hole Mount
Dimensions (mm)	35 x 35 x 3
Operating temperature	-40 to +85 °C

2JM015

ACTIVE GPS

Key Features

Embedded Antenna
Customizable Cable and Connector
Active Ceramic Patch

- Internal antenna
- Adhesive mount



Antenna and electrical specifications

Cable 1

Standards	GPS
Frequency (MHz)	1575.42
LNA Gain (dB)	14.8
Impedance (Ohm)	50
Polarisation	RHCP
Voltage (V)	1.5 - 3.6
Current (mA)	4
Power consumpt. (mW)	14.4

General specification

Mounting type	Adhesive Mount
Dimensions (mm)	18.5 x 18.5 x 4.7
Operating temperature	-40 to +85 °C

2J401F

ACTIVE GPS

module with post-filter

Key Features

Embedded Antenna
Customizable Cable and Connector
Active Ceramic Patch

- Internal antenna
- Adhesive mount



Antenna and electrical specifications

Cable 1

Standards	GPS/GALILEO
Frequency (MHz)	1575.42
LNA Gain (dB)	23 dB @ 3 V; 24 dB @ 5 V
Impedance (Ohm)	50
Polarisation	RHCP
Voltage (V)	2.7 - 5.5
Current (mA)	15 - 25
Power consumpt. (mW)	138

General specification

Mounting type	Adhesive Mount
Dimensions (mm)	25 x 25 x 8.6
Operating temperature	-40 to +85 °C

2J402G

ACTIVE GNSS

Key Features

Embedded Antenna
Customizable Cable and Connector
Active Ceramic Patch

- Internal antenna
- Adhesive mount



Antenna and electrical specifications

Cable 1

Standards	GPS/GLONASS
Frequency (MHz)	1575.42 1598 - 1610
LNA Gain (dB)	26dB @ 3V; 28dB @ 5V
Impedance (Ohm)	50
Polarisation	RHCP
Voltage (V)	2.7 - 5.5
Current (mA)	15 - 25
Power consumpt. (mW)	138

General specification

Mounting type	Adhesive Mount
Dimensions (mm)	26 x 26 x 8.6
Operating temperature	-40 to +85 °C

2JM001F

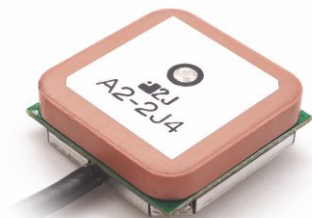
ACTIVE GPS

module with pre-filter

Key Features

Embedded Antenna
Customizable Cable and Connector
Active Ceramic Patch

- Internal antenna
- Adhesive mount



Antenna and electrical specifications

Cable 1

Standards	GPS
Frequency (MHz)	1575.42
LNA Gain (dB)	23 dB @ 3 V; 24 dB @ 5 V
Impedance (Ohm)	50
Polarisation	RHCP
Voltage (V)	2.7 - 5.5
Current (mA)	15 - 25
Power consumpt. (mW)	138

General specification

Mounting type	Adhesive Mount
Dimensions (mm)	25 x 25 x 8.6
Operating temperature	-40 to +85 °C

2JM001GF

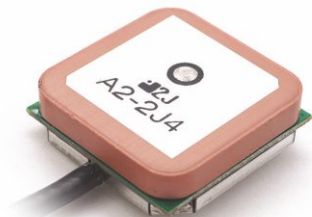
ACTIVE GNSS

module with pre-filter

Key Features

Embedded Antenna
Customizable Cable and Connector
Active Ceramic Patch

- Internal antenna
- Adhesive mount



Antenna and electrical specifications

Cable 1

Standards	GPS/GLONASS
Frequency (MHz)	1575.42 1598 - 1610
LNA Gain (dB)	23 dB @ 3 V; 24 dB @ 5 V
Impedance (Ohm)	50
Polarisation	RHCP
Voltage (V)	2.7 - 5.5
Current (mA)	15 - 25
Power consumpt. (mW)	138

General specification

Mounting type	Adhesive Mount
Dimensions (mm)	25 x 25 x 8.6
Operating temperature	-40 to +85 °C

2JF0102

2.4/5.0 GHz ISM

Key Features

Embedded Antenna
High Performance
Customizable Cable and Connector
Flexible Polymer

- Internal antenna
- Self-Adhesive



Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM	
Frequency (MHz)	2410-2490	4920-5925
VSWR	~1.2:1	~1.4:1
Peak Gain (dBi)	~2.2	~3.8
Impedance (Ohm)	50	
Polarisation	Linear	
Max. Input Power (W)	25	

General specification

Mounting type	Self-Adhesive
Dimensions (mm)	39.6 x 8.4 x 0.1
Operating temperature	-40 to +85 °C

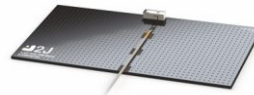
2JE07a

2.4 GHz ISM

Key Features

SMT Ceramic
Embedded Antenna

- Internal antenna
- Surface mount



2JDB0307 Evaluation Board

Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM	
Frequency (MHz)	2400-2485	
VSWR	<=3:1	
Peak Gain (dBi)	2.3	
Impedance (Ohm)	50	
Polarisation	Linear	

General specification

Mounting type	Surface Mount
Dimensions (mm)	3.2 x 1.6 x 1.2
Operating temperature	-40 to +85 °C

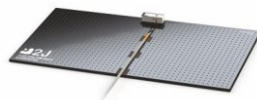
2JE07b

2.4 GHz ISM

Key Features

SMT Ceramic
Embedded Antenna

- Internal antenna
- Surface mount



ZJDB0307 Evaluation Board

Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2400-2485
VSWR	<=3.1
Peak Gain (dBi)	3.5
Impedance (Ohm)	50
Polarisation	Linear

General specification

Mounting type	Surface Mount
Dimensions (mm)	6 x 2 x 1.2
Operating temperature	-40 to +85 °C

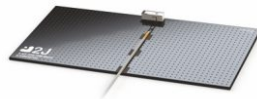
2JE07c

2.4 GHz ISM

Key Features

SMT Ceramic
Embedded Antenna

- Internal antenna
- Surface mount



ZJDB0307 Evaluation Board

Antenna and electrical specifications

Cable 1

Standards	WiFi, BT, ZigBee, ISM
Frequency (MHz)	2400-2485
VSWR	<=2.5:1
Peak Gain (dBi)	3.5
Impedance (Ohm)	50
Polarisation	Linear

General specification

Mounting type	Surface Mount
Dimensions (mm)	9 x 3 x 1.2
Operating temperature	-40 to +85 °C

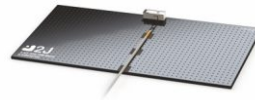
2JE07d

2.4/5.0 GHz ISM

Key Features

SMT Ceramic
Embedded Antenna

- Internal antenna
- Surface mount



2JDB0307 Evaluation Board

Antenna and electrical specifications

Table 1

Standards	WiFi, BT, ZigBee, ISM	
Frequency (MHz)	2400-2485	5150-5875
VSWR	<=3:1	
Peak Gain (dBi)	3.49	2.64
Impedance (Ohm)	50	
Polarisation	Linear	

General specification

Mounting type	Surface Mount
Dimensions (mm)	10 x 3 x 3
Operating temperature	-40 to +85 °C

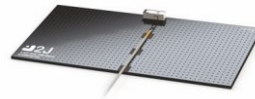
2JE07e

2.4/5.0 GHz ISM

Key Features

SMT Ceramic
Embedded Antenna

- Internal antenna
- Surface mount



2JDB0307 Evaluation Board

Antenna and electrical specifications

Table 1

Standards	WiFi, BT, ZigBee, ISM	
Frequency (MHz)	2400-2485	5150-5875
VSWR	<=3:1	
Peak Gain (dBi)	1.88	3.6
Impedance (Ohm)	50	
Polarisation	Linear	

General specification

Mounting type	Surface Mount
Dimensions (mm)	10 x 3 x 1.5
Operating temperature	-40 to +85 °C

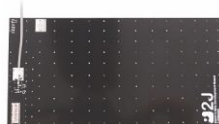
2JE05

915 MHz ISM

Key Features

SMT Ceramic
Embedded Antenna

- Internal antenna
- Surface mount



2JDB0305 Evaluation Board

Antenna and electrical specifications

Cable 1

Standards	ZigBee, ISM
Frequency (MHz)	902-928
VSWR	<=2.1
Average Gain (dBi)	-4
Impedance (Ohm)	50
Polarisation	Linear

General specification

Mounting type	Surface Mount
Dimensions (mm)	9 x 3 x 1.2
Operating temperature	-40 to +85 °C

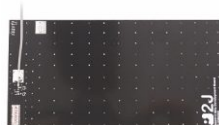
2JE11

433 MHz ISM

Key Features

SMT Ceramic
Embedded Antenna

- Internal antenna
- Surface mount



2JDB0305 Evaluation Board

Antenna and electrical specifications

Cable 1

Standards	ISM
Frequency (MHz)	433
VSWR	3.5:1
Average Gain (dBi)	-5

General specification

Mounting type	Surface Mount
Dimensions (mm)	12.5 x 5 x 2
Operating temperature	-40 to +85 °C

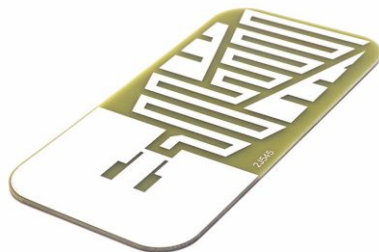
2J545PCB

433 MHz ISM

Key Features

Embedded Antenna
Customizable Cable and Connector

- Internal antenna
- Adhesive mount



Antenna and electrical specifications

Cable 1

Standards	ISM
Frequency (MHz)	433
VSWR	$\leq 2.0:1$
Peak Gain (dBi)	3
Impedance (Ohm)	50
Polarisation	Linear
Max. Input Power (W)	35

General specification

Mounting type	Adhesive Mount
Dimensions (mm)	105 × 52 × 1.2
Operating temperature	-40 to +85 °C

2JCP3533I-01

IRIDIUM

Key Features

Embedded Antenna
Thru Hole Ceramic Patch

- Internal antenna
- Thru hole mount



2JDB0101
Evaluation Board

Antenna and electrical specifications

Cable 1

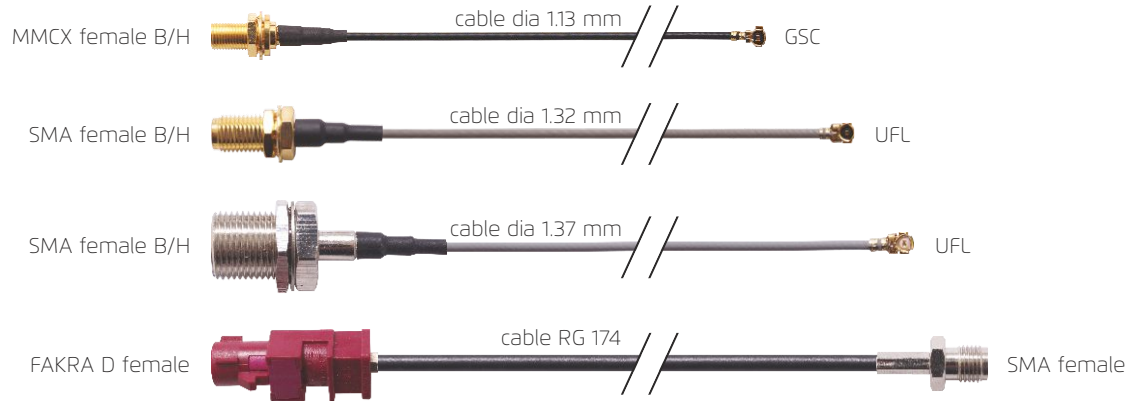
Standards	IRIDIUM
Frequency (MHz)	1616-1627 on 70 × 70 mm Ground plane
VSWR	$\leq 1.5:1$
Gain (dBiC)	1.5
Impedance (Ohm)	50
Polarisation	RHCP

General specification

Mounting type	Thru hole Mount
Dimensions (mm)	35 × 35 × 3
Operating temperature	-40 to +85 °C

Cable assembly

Other cable types and connectors
available as per request.



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