

Product Catalogue

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LPWA / ISM Antenna

1.) Cat M1 / NB- IoT Antenna

Cat-M1

Cat M1 is a low-power wide-area (LPWA) technology specifically designed for IoT and M2M applications. Cat M1 technology operates on secure mobile networks making it well suited to automotive, smart meter, medical, smart city, and many other applications.

NB-IoT Antennas

Narrowband IoT (NB-IoT) is a Low Power Wide Area Network (LPWAN) radio technology standard developed to meet the emerging demands and challenges of IoT devices and services.

NB-IoT allows for extended coverage in both rural and deep indoors environments and improves device power consumption, system capacity, and spectral efficiency. In many cases, battery life of over 10 years can be supported. With its relative simplicity compared to GSM/GPRS, NB-IoT technology promises to provide a cost-effective solution for years to come.

NB-IoT is supported by all major mobile equipment, chipset, and module manufacturers and benefits from the security and privacy features of cellular networks, including support for user confidentiality, data integrity, and mobile equipment identification.

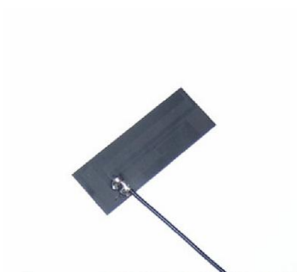
External Antenna



External Cat M1 Antenna

No. : MS-M1-001

Internal Antenna



Internal Cat M1 Antenna

NO. : MS-M1-002

2.) LoRa / ISM (RFID) / Sigfox Antenna

LoRa

LoRa (Long Range) is a patented digital wireless data communication IoT technology developed by Cycleo of Grenoble, France, and acquired by Semtech in 2012. LoRa uses license-free sub-gigahertz radio frequency bands like 169 MHz, 433 MHz, 868 MHz (Europe) and 915 MHz (North America). LoRa enables very-long-range transmissions (more than 10 km in rural areas) with low power consumption. The technology is presented in two parts — LoRa, the physical layer and LoRa WAN (Long Range Wide Area Network), the upper layers.

LoRa and LoRa WAN permit inexpensive, long-range connectivity for IoT devices in rural, remote and offshore industries. They are typically used in mining, natural resource management, renewable energy, transcontinental logistics, and supply chain management^l

ISM (RFID)

The industrial , scientific and medical (ISM) radio bands are radio bands (portions of the radio spectrum reserved internationally for the use of radio frequency (RF) energy for industrial, scientific and medical purposes other than telecommunications

Sigfox

Sigfox employs a proprietary technology that enables communication using the Industrial, Scientific and Medical ISM radio band which uses 868MHz in Europe and 902MHz in the US. It utilizes a wide-reaching signal that passes freely through solid objects, called "ultra narrow band" and requires little energy, being termed "Low-power Wide-area network (LPWAN)". The network is based on one-hop star topology and requires a mobile operator to carry the generated traffic. The signal can also be used to easily cover large areas and to reach underground objects.

External Antenna

433MHz Series



001
-2dBi



002
-2dBi



003
-2dBi



004
-2dBi



005
-2dBi



006
-2dBi



007
-2dBi



008
-2dBi



009
-2dBi



010
-2dBi



011
-2dBi



012
0dBi



013
3dBi



014
2dBi



015
5dBi



016
2dBi

868MHz Series.....



001
0dBi



002
0dBi



003
0dBi



004
0dBi



005
0dBi



006
0dBi



007
0dBi



008
0dBi



009
0dBi



010
0dBi



011
0dBi



012
0dBi



013
0dBi



014
1.5dBi



015
3dBi



016
3dBi

915MHz Series.....



001
0dBi



002
0dBi



003
0dBi



004
0dBi



005
0dBi



006
0dBi



007
0dBi



008
0dBi



009
0dBi



010
0dBi



011
0dBi



012
0dBi



013
0dBi



014
1.5dBi



015
3dBi



016
3dBi

Cellular 1.) 2G 3G Antenna



001
0dBi



002
0dBi



003
0dBi



004
0dBi



005
0dBi



006
0dBi



007
0dBi



008
0dBi



009
0dBi



010
0dBi



011
0dBi



012
0dBi



013
0dBi



014
2dBi



015
3dBi



016
3dBi



017
1dBi



018
3dBi



019
3dBi



020
3.5dBi



021
0dBi



022
2dBi



023
1.5dBi



024
5dBi



025
3dBi



026
3dBi



027
3dBi



028
3dBi



029
4.5dBi



030
3.5dBi



030
5dBi

GPS Antenna Series



001
28dBi



002
28dBi



003
28dBi



004
28dBi



005
28dBi



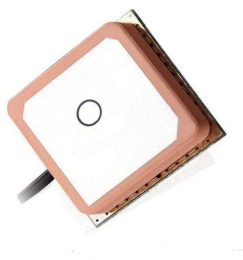
006
28dBi



007
28dBi



008
28dBi



005
18dBi

WIFI Series.....
2.4GHz Antenna



001
0dBi



002
0dBi



003
0dBi



004
0dBi



005
2dBi



006
2dBi



007
2dBi



008
5dBi



009
5dBi



010
7dBi



011
9dBi



012
9dBi



013
3dBi



014
3dBi



015
5dBi



016
2dBi

5.8GHz Antenna Series



001
2dBi



002
2dBi



003
3dBi



004
2dBi



005
3dBi



006
2dBi



007
3dBi



008
5dBi



009
5dBi



010
4.5dBi



011
0.5dBi



012
5dBi

4G Antenna Series



001
2dBi



002
3.5dBi



003
3dBi



004
3.5dBi



009
3.5dBi



010
3.5dBi



011
3dBi



012
7dBi



005
2dBi



006
5dBi



007
5dBi



008
7dBi



009
11dBi



010
3dBi



011
3dBi



012
3dBi

Small Base Station Antenna Series.....



001
6dBi (800-2500MHZ)



002
6dBi(800-2500MHZ)



003
6dBi(700-2700MHZ)



004
0-15dBi (230/433/868/915/2.4G/5.8G/4G)



005
3dBi (433MHZ)



006
3dBi(GSM)

Multi Bands Antenna Series



001
28/3dBi



002
28/3dBi



003
18/3dBi



004
3/3dBi (VHF / UHF)

DVB-T / T2 Antenna Series.....



001
1dBi



002
1dBi



003
1.5dBi



004
2dBi



005
3dBi



006
3.5dBi



007
3dBi



008
15dBi



010
3dBi



011
3dBi

Mobile Antenna Series(Auto / Vehicle Antenna).....

3M



002
3dBi



003
10dBi



005
3dBi



006
3dBi



007
3dBi



008
-2dBi

ANTENNA EXTENSION CABLE

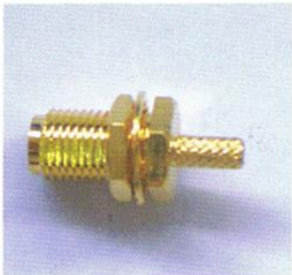
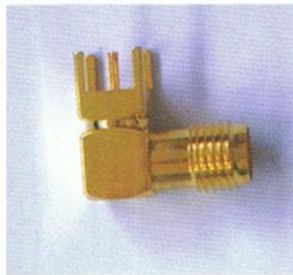
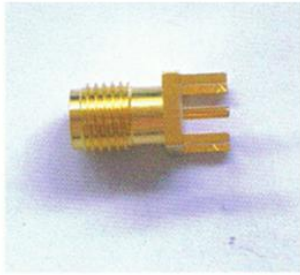
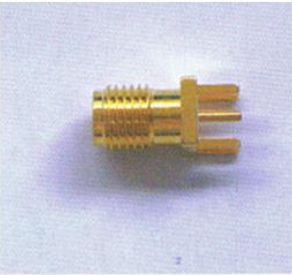
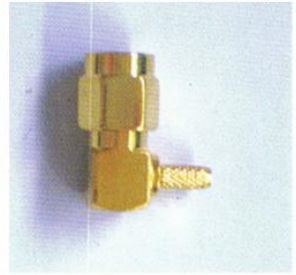
1.) PIGTAIL CABLE SERIES.....

RG1.13 COAXIAL PIGTAIL CABLE
RG174 COAXIAL PIGTAIL CABLE
RG178 COAXIAL PIGTAIL CABLE
RG316 COAXIAL PIGTAIL CABLE

2.) LOW LOSS COAXIAL CABLE ASSEMBLIES

LMR 195 ASSEMBLIES
LMR200 ASSEMBLIES
LMR400 ASSEMBLIES
3DFB ASSEMBLIES
5DFB ASSEMBLIES
7DFB ASSEMBLIES

SMA SERIES.....

			
SMA-JB3	SMA-J-1.5	SMA-KY-1.5	SMA-JW-3
			
SMA-KWE	SMA-KE	SMA-KE偏脚	SMA-JW-1.5
			
SMA-KFD	SMA-KFD-8		

SMB SERIES.....



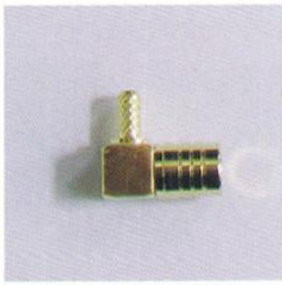
SMB-j



SMB-J-1.5a



SMB-J-1.5(开口))



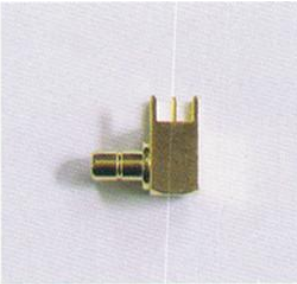
SMB-KW-1.5



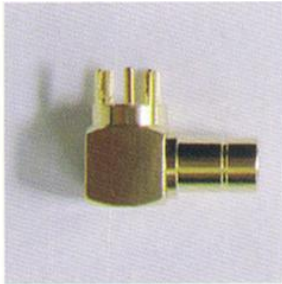
SMB-JW-1.5



SMB-JE



SMB-JWE



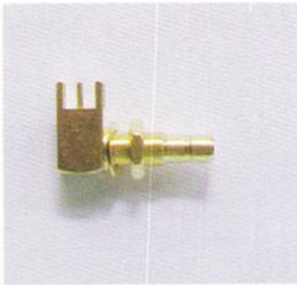
SMB-JWE75Ω



SMB-JY1.13开口a



SMB-JY



SMB-JYWE加长



SMB-JY1.13开口b



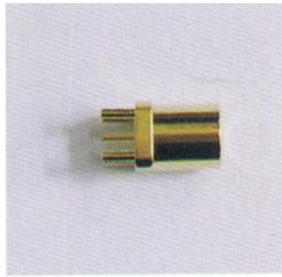
SMB-K-1.5(开口)



SMB-K-1.5



SMB-JY-1.5



SMB-KE75Ω



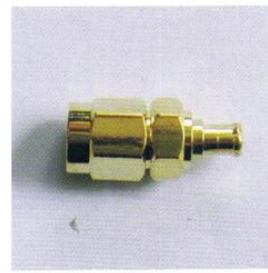
SMA-MCX-KJ



SMA-MCX-JK



SMA-MCX-KK



SMA-MCX-JJ



SMA-MMCX-KJ



SMA-MMCX-JK



SMA-MMCX-KK



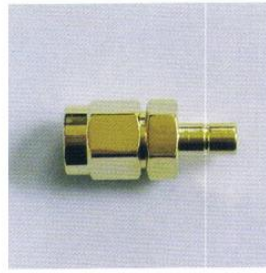
SMA-MMCX-JJ



SMA-SMB-KJ



SMA-SMB-JK



SMA-SMB-JJ



SMA-SMB-KK

MCX SERIES.....



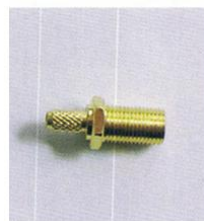
MCX-J-1.5(开口)



MCX-J-1.5a



MCX-J-1



MCX-KY-1.5



MCX-J-1(开口)



MCX-J-3b



MCX-J-a



MCX-JB2



MCX-KWE



MCX-J-b



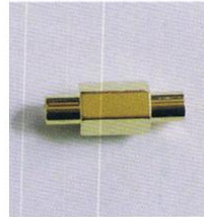
MCX-JE



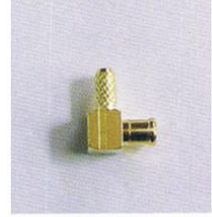
MCX-JJ



MCX-JW-1.5(反接)



MCX-KK



MCX-JW-1.5a



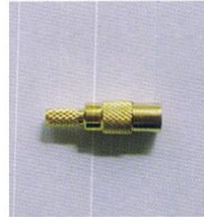
MCX-JW-1.5b



MCX-JWB2



MCX-JWB3



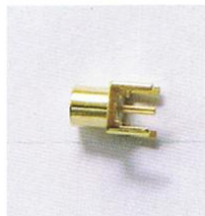
MCX-K-1.5



MCX-K-1



MCX-K-1.13(开口)



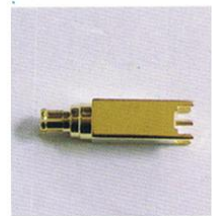
MCX-KE



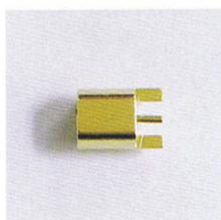
MCX-KE(长偏脚)



MCX-KE(短偏脚)



MCX-JE(加长)



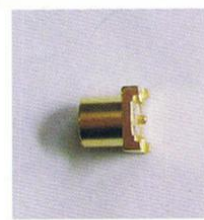
MCX-KEFa



MCX-KEFb



MCX-KWE(短脚)



MCX-KE(短脚)

MMCX SERIES.....



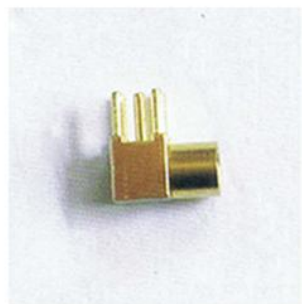
MMCX-J-1.5



MMCX-J-1.5开口



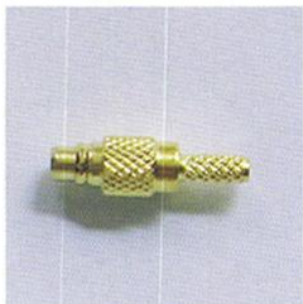
MMCX-K-1.13



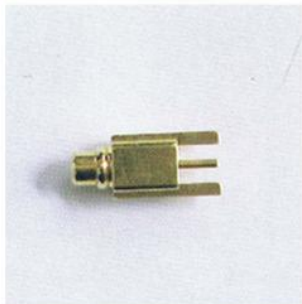
MMCX-KWEDT



MMCX-J-1.13



MMCX-J-1



MMCX-JEF



MMCX-JJ



MMCX-JW-1.5



MMCX-JW-1.13



MMCX-JW-1



MMCX-KW-1.5



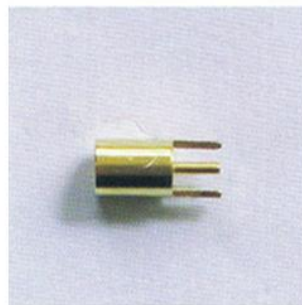
MMCX-JWB2



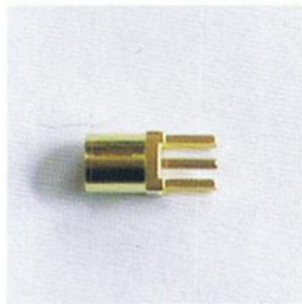
MMCX-K-1.5



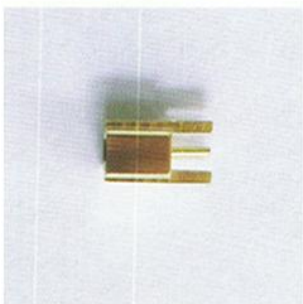
MMCX-K-1



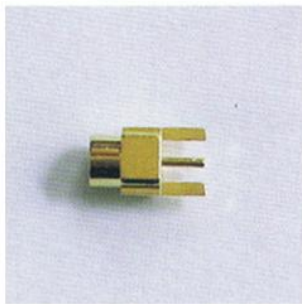
MMCX-KEΦ3.5



MMCX-KE



MMCX-KEF



MMCX-KEF光外圆



MMCX-KK

TS9 SERIES



CRC9 SERIES.....



FME SERIES.....



BNC SERIES.....



TNC SERIES.....



N SERIES.....



QMA SERIES.....

