Product Catalogue

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 (**Lo**ng **Ra**nge) 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 laye 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[

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 toplogy 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

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

006
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

012
1.5dBi

Mobile Antenna Series(Auto / Vehicle Antenna)……

001
1.5dBi

002
3dBi

003
10dBi

005
3dBi

006
3dBi

007
3dBi

008
-2dBi

ANTENNA EXTENSION CABLE

1.) PIGTAIL CABLE SERIES……

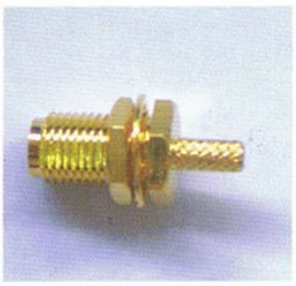
RG1.13 COAXIAL PIGTAIL CABLE
RG174 COAXIAL PIGTAIL CABLE
RG178 COAXIAL PIGTAIL CABLE
RG316 COAXIAL PIGTAIL CABLE

2.) LOW LOSS COAXIAL CABLE ASSEMBLIES
LMR 195 ASSEMBLIES
LMR200 ASSEMBLIES
LMR400 ASSEMBLIES
3DFB ASSEMBLIES
5DFB ASSEMBLIES
7DFB ASSEMBLIES

SMA SERIES……

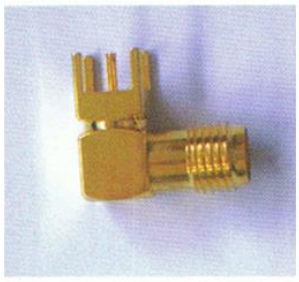
SMA-JB3

SMA-J-1.5

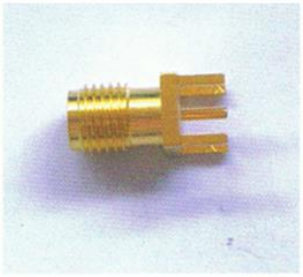


SMA-KY-1.5

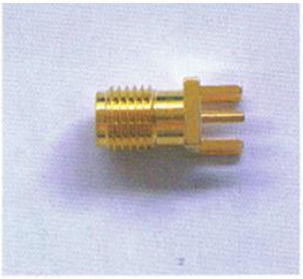
SMA-JW-3



SMA-KWE

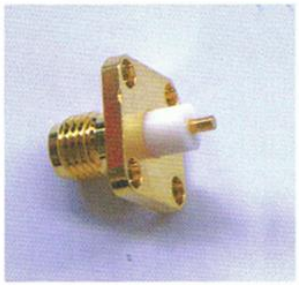


SMA-KE

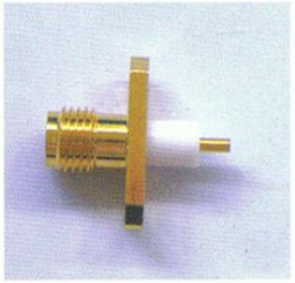


SMA-KE偏脚

SMA-JW-1.5



SMA-KFD



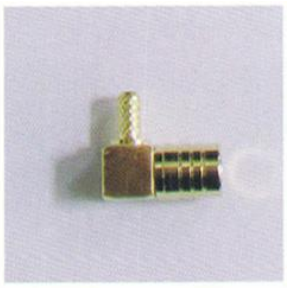
SMA-KFD-8

SMB SERIES……

SMB-j

SMB-J-1.5a

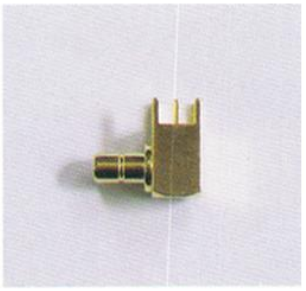
SMB-J-1.5(开口))



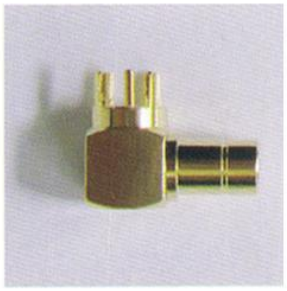
SMB-KW-1.5

SMB-JW-1.5

SMB-JE



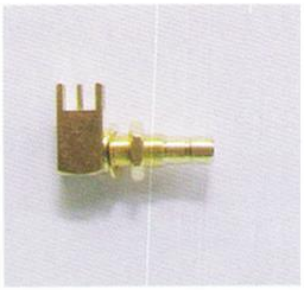
SMB-JWE



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)

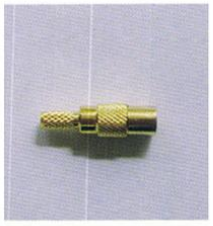

MCX-KK


MCX-JW-1.5a


MCX-JW-1.5b


MCX-JWB2


MCX-JWB3

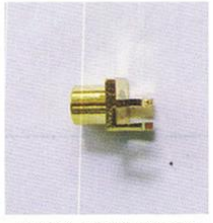

MCX-K-1.5


MCX-K-1

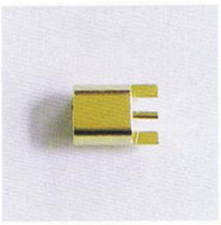

MCX-K-1.13(开口)

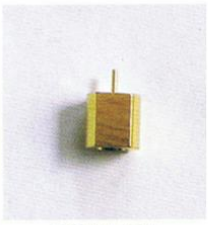

MCX-KE


MCX-KE(长偏脚)


MCX-KE(短偏脚)


MCX-JE(加长)


MCX-KEFa

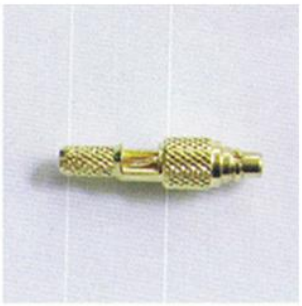

MCX-KEFb


MCX-KWE(短脚)


MCX-KE(短脚)

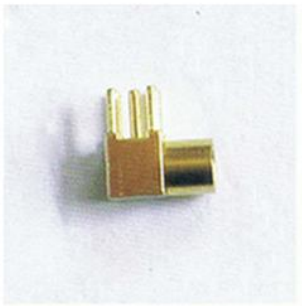
MMCX SERIES……

MMCX-J-1.5



MMCX-J-1.5开口

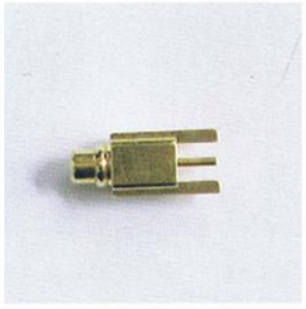
MMCX-K-1.13



MMCX-KWEDT

MMCX-J-1.13

MMCX-J-1



MMCX-JEF

MMCX-JJ

MMCX-JW-1.5

MMCX-JW-1.13

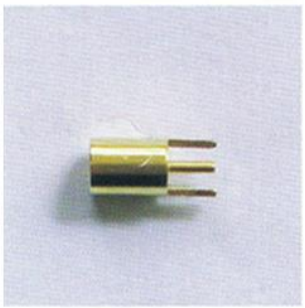
MMCX-JW-1

MMCX-KW-1.5

MMCX-JWB2

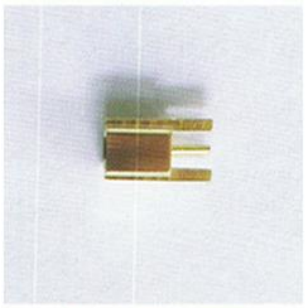
MMCX-K-1.5

MMCX-K-1

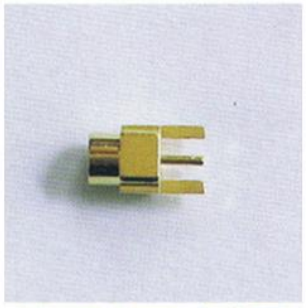


MMCX-KEΦ3.5

MMCX-KE



MMCX-KEF



MMCX-KEF光外圆

MMCX-KK

TS9 SERIES ……

CRC9 SERIES……..

FME SERIES……

A B

BNC SERIES……

A B

TNC SERIES……

N SERIES……

QMA SERIES……