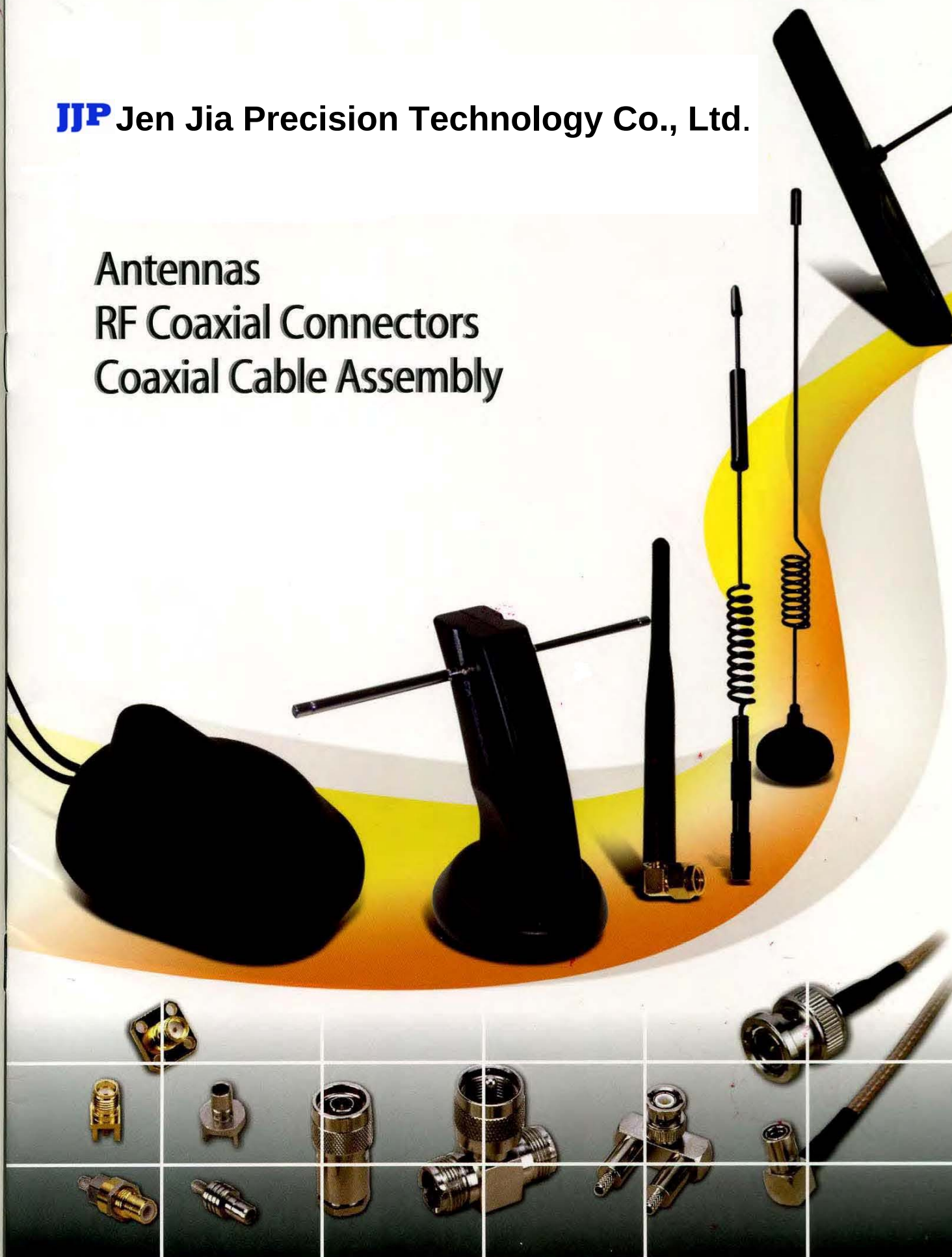


JJP Jen Jia Precision Technology Co., Ltd.

Antennas
RF Coaxial Connectors
Coaxial Cable Assembly





Antenna and RF Connector Products

INNOVATIVE SOLUTIONS FOR WIRELESS COMMUNICATIONS



The best service comes from JJP Technology

JJP is a professional company in the design, manufacture and distribution of various high quality antennas and RF connectors for wireless AP, mobile phone and industrial applications; We are the professional global supplier of communication and RF connection products for over 19 years, our manufacture the new generation wireless antennas and RF connection products offering the best value for booming new communication industry.

JJP has been a main supplier in wireless antenna and RF products for worldwide customers. More than 32,500 square meter building located in China and high levels of facility have been invested in order to establish a strong R&D and manufacturing abilities to meet the customer requirement.

JJP is ISO9001:2000&ISO14001 Certified for high quality management, all the products are made in house, our manufacturing facility is capable of quick turnaround of short run and volume production requirement in a controlled planning and logistics system. We are confidently assure that for the most types of antenna will be designed and produced by JJP that are all competitive enough in aspect of quality, reliability and price-effective to rise the value of our customer's products.

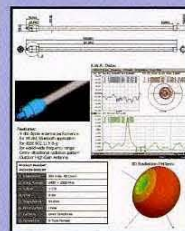
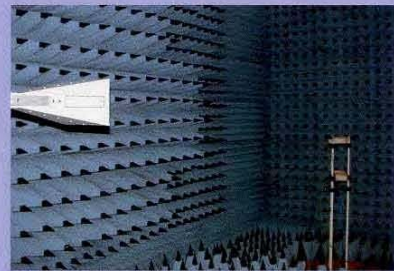
振嘉電子 - 結合研發設計, 生產製造及營銷於一體的专业天线及高频连接组件厂商, 通过ISO9001:2000及ISO14001的认证, 所生产的各类天线广泛地被应用于无线网络AP, 行动电话及各类商业及工业的RF通讯无线产品, 全系列天线产品及相关零组件都自行研发生产, 严格控管质量, 掌握关键技术, 具备了19年的专业经验来迎向无线产品的创新趋势.

振嘉電子 - 在無線通信連接器及天線的专业領域, 提供客戶多樣化的產品需求. 我們建置三萬二千五百平方公尺的生產基地, 所有零組件及成品均自行生產供應及組裝, 以維持最嚴格的質量, 並設置自動化生產線及各類最新精密的



研發生產設備及世界級的實驗室測儀器, 來強化研發能力及生產質量和產能, 以符合客戶及市場需求. 良好的企業規劃, 專業的研發生產團隊及管理運作系統, 優良的質量及優勢的價格競爭力.

振嘉電子具有專業經驗及不斷研發創新的精神, 將是您全方位可信賴的合作夥伴.



Engineering Design 工程研發

Expertise, experience and innovative technology, our R&D abilities always meet the customer's requirement. High levels of the engineering equipments enable to provide you with the perfect results.

完整的研發設計能力及專業的經驗，可符合各種天線應用的需要，配置最新的3D信號無反射實驗室及網路分析儀，能精確測量工程數據研發最優良的產品。

Prototyping 工程製樣

From the initial design to the prototype produce, our independent sample house can provide you the most reliable prototype quickly.

一貫式的模擬及製樣設備，能快速有效地製作出理想的初試樣品，以配合工程分析及客戶的需求。

Production 量產製造

In our modern and automation production shop, all the key parts and finished products are produced in house to ensure both the best quality & efficiency.

掌握關鍵組件全部自行生產，以確保產品的品質及生產配合計畫，現代化、自動化生產線，可發揮最高的生產效率及彈性的變化，以降低生產成本，提升客戶的競爭力。

Testing 測試分析

Full range of the test equipments & the latest test method will assure the quality and reliability of the products.

各階段的品質測試設備，能確保產品的品質及可靠度，包括：3D微波實驗室、網路分析儀、耐壓測試、老化、鹽霧、溫溼度測試、扭力及機械性插拔、震動、撞擊、掉落測試、阻抗測試、RoHS及各種材料分析等。

Quality Assurance 品質保證

We strive to achieve excellence to implement strict quality management, according to ISO9001:2000 and ISO14001 through out the production process.

符合最高的品質要求標準，並通過ISO9001:2000品質規範及ISO14001的環保認證，品管人員被要求以嚴苛的檢驗標準，來確保產品的品質。



Features:
 1. 9 dBi dipole antenna performance
 for WLAN, Bluetooth application
 2. for IEEE 802.11b & g
 for world-wide frequency range
 Omni-directional radiation pattern
 Outdoor High Gain Antenna

Product Number:	
AR2400-0901M	
1. Dimension	950 x 35 x 40 (mm)
2. Freq. Range	2400 ~ 2500 MHz
3. S.W.R.	< 2.0
4. Gain	9 dBi
5. Impedance	50 ohm
6. Polarization	Linear



3D Rad

Supplying Antennas For The Most Wireless Applications

With the in-depth knowledge of RF & Antennas technology, JJP is able to offer a wide range of wireless & RF connector and Antennas for various telecommunication applications.

JJP draws from its extensive capability to provide the best quality products & technical support to deliver the right products for small or volume demand on time.



Antenna Application Types

- 無限網路AP天線
WiMAX, WiFi, WLAN Access Point Antenna
IEEE 802.11 a / b / g / n , IEEE 802.16 a / b / e
2.4GHz~5.2GHz & 4.9GHz~5.9GHz (2G~11GHz)
- 行動電話、手機天線
Stubby / Dual & Triple Band Mobile Antenna
GSM 824M~960MHz, 1710MHz~2170MHz
- 隱藏式手機天線、藍芽天線
Metal Patch Embedded / Dual & Triple Band
Bluetooth Antenna
- 內建隱藏式資料處理器及筆記型電腦天線
Patch Antennas for Notebook PC
WLAN-IEEE 802.11 a / b / g / n
2.4GHz~5.2GHz & 4.9GHz~5.9GHz
- 數位TV天線
DVB-T / ISDB-T / ATSC Antennas for Digital TV
300MHz ~ 900MHz
- 戶外型高增益天線
Outdoor High Gain Antennas
- 磁吸盤基座型天線
Magnetic & suck cap base Extender Antennas
- GPS 衛星定位天線
GPS Tracking & Location Antennas

System Name	Frequency Range (MHz)	Application	Impedance	Connection
—	27	Tracing Record	50 ohm	PAL / F
VHF	80 - 120	Radio	75 ohm	PAL / F
VHF	170 - 470	Car / Radio / DVB / Wireless Phone	75 ohm	PAL / F
UHF	400 - 450	Car / TV / DVB / Wireless Phone	75 ohm	PAL / F
DVB	470 - 870	Mobile TV / Smart Phone	75 ohm	PAL / F
CDMA-800 / AMPS	824 - 894	Mobile Phone / Smart Phone	50 ohm	SMA / SMB / MCX / MMCX
GSM / GPRS-900	880 - 960	Mobile Phone / Smart Phone	50 ohm	SMA / SMB / MCX / MMCX
GPS	1573 - 1577	Car / Smart Phone	50 ohm	SMA / SMB / MCX / MMCX
GSM / GPRS-1800 / DCS	1710 - 1880	Mobile Phone / Smart Phone	50 ohm	SMA / SMB / MCX / MMCX
GSM / GPRS-1900 / PCS	1850 - 1990	Mobile Phone / Smart Phone	50 ohm	SMA / SMB / MCX / MMCX
CDMA-1900	1850 - 1990	Mobile Phone / Smart Phone	50 ohm	SMA / SMB / MCX / MMCX
PHS-1900	1880 - 1930	Mobile Phone / Smart Phone	50 ohm	SMA / SMB / MCX / MMCX
W-CDMA (3G) / UMTS	1920 - 2170	Mobile Phone / Smart Phone	50 ohm	SMA / SMB / MCX / MMCX
TD-SCDMA	1920 - 2170	Smart Phone / Notebook PC	50 ohm	SMA / SMB / MCX / MMCX
HSDPA	1920 - 2170	Smart Phone / Notebook PC	50 ohm	SMA / SMB / MCX / MMCX
Bluetooth	2400 - 2500	Mobile / Smart Phone / Earphone / Notebook PC	50 ohm	SMA / SMB / MCX / MMCX
WLAN-IEEE 802.11 b/g/n	2400 - 2500	Smart Phone / Notebook PC	50 ohm	SMA / SMB / MCX / MMCX
WLAN-IEEE 802.11 a	4900 - 5900	Smart Phone / Notebook PC	50 ohm	SMA / SMB / MCX / MMCX
WiMAX-IEEE 802.16 n	2000 - 11000	Smart Phone / Notebook PC / Hotspot	50 ohm	SMA / SMB / MCX / MMCX
UWB / Wireless USB	3100 - 10600	Smart Phone / Notebook PC	50 ohm	SMA / SMB / MCX / MMCX

Monopole and Dipole Antennas

This series "Rubber Duck" Monopole and Dipole Antennas provide broad coverage and different gain options. It's designed by a coaxial sleeve or steel / copper wire with an omni-directional radiation pattern. The series antennas are ideally suited for Wireless LAN AP、Wireless Video、GSM、RFID、DVB-T、WiFi、WiMAX、ISM and Hotspot applications.

Electrical Specification

Frequency — Single / Dual / Tri Band / Quad Band
400M~870M Hz, 900M / 1800M / 1900M Hz and 2.4G / 5G Hz systems
Impedance — Normal 50 Ohm / 75 Ohm
Polarization — Linear Vertical / omni-direction pattern
Gain — 2 ~ 10 dBi

Mechanical Specification

Radiation — Copper wire、Spring、Steelwire
Connector — TNC / SMA / N / MMCX (RP Type)、I-PEX
Working Temperature — -30℃ ~ +60℃
D-90° adjustable swivel and water proof design
RoHS — Compliant.

J23561-AN01
9x110



J23561-AN02
9x110



J23561-AN03
13x142



J23561-AN05
8x140~



J23561-AN06
10x100



J23561-AN08
14x179~



J23561-AN08-A
15x197~



J23561-AN09
20x460~



J23561-AN10
20x965~



J23561-AN11
20x600~



J23561-AN12
12x192



J23561-AN15
16x90



J23561-AN16
17x102



J23561-AN17
13x160



J23561-AN17-A
13x152



J23561-AN18
14x89~



J23561-AN19
13x196



J23561-AN19-C
20x175



J23561-AN19-D
13x170



J23561-AN20
13x193



J23561-AN21
14x177~



J23561-AN22
13x136



J23561-AN22-A
10x104



J23561-AN24
13x131



J23561-AN25
13x131



J23561-AN27
6x60~



J23561-AN27-A
6x280~



J23561-AN28
14x83



* Main Application : ■ WLAN ■ GSM ■ DVB-T ■ ISM ■ WiMAX
* The dimension is subject to change with different frequency and connector type request.

00110111
0110000011110100



J23561-AN28-A
15x135~



J23561-AN28-H
15x65



J23561-AN29
9x55



J23561-AN30
6x64



J23561-AN31
11x128



J23561-AN31-MAX
11x135



J23561-AN32
18x190



J23561-AN33
9x45



J23561-AN33-A
10x39



J23561-AN33-C
9x60



J23561-AN33-D
9x46



J23561-AN34
15x208~



J23561-AN34-B
18x306~



J23561-AN34-F
10x137~



J23561-AN34-L
21x178~



J23561-AN35
9x25



J23561-AN37
10x104



J23561-AN37-E
10x73



J23561-AN38
10x112



J23561-AN46
9x75



J23561-AN47
5x80



J23561-AN52
13x142



J23561-AN53
13x160



J23561-AN53-A
13x156



J23561-AN54
10x109



J23561-AN55
10x110



J23561-AN56
10x112



J23561-AN57
9x109



J23561-AN57B
10x76



J23561-AN57-BN
10x115



J23561-AN57-C
10x85



J23561-AN57-D
10x76



Dimension : DxL(mm)



J23561-AN57-E
10x104



J23561-AN57-SF
9x109



J23561-AN58
10x137



J23561-AN58-A
10x130



J23561-AN58-B
10x102



J23561-AN58-L
9x175



J23561-AN59
13x394



J23561-AN60
13x294



J23561-AN60-S
12x212



J23561-AN61
18x195



J23561-AN61TNC-1
14x206



J23561-AN62-A
16x119



J23561-AN63
25x190



J23561-AN64
18x164



J23561-AN64-A
18x158



J23561-AN65
13x143



J23561-AN65-A
13x138



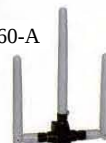
J23561-AN65-B
13x132



J23561-AN68
32x39



J23561-AN60-A
95x134



J23561-AN69
29x52



J23561-AN69-A
108x135



J23561-AN70
14x202



J23561-AN70-B
14x169



J23561-AN72
7x173~



J23561-AN77
13x61



J23561-AN88
10x65



J23561-AN89
21x104



J23561-AN90
91x105



J23561-AN91
13x199



J23561-AN92
13x195



J23561-AN92-A
13x196



Dimension : DxL(mm)

Patch Internal Antennas

Notebook PC / PDA / Mobile Phone Antennas and ISM portable equipment antennas

For Mobile Phone & Notebook PC WLAN / PDA and ISM applications, this patch antenna is designed by metal stamping or integrated on the plastic frame with PIFA radiation pattern. These miniature size antennas are mostly suited for the exquisite wireless products of compact & miniature equipment including the mobile phone, WLAN, Bluetooth, security or audio and video applications.



Mobile Phone



J23561-IM0001



J23561-IM0002



J23561-IM0008



J23561-IM0008-G



J23561-IM0012-G



J23561-IM0051-G



J23561-IM0069-C



J23561-IM0069-G



PDA / Notebook



J23561-NB004-A01



J23561-NB006-A01



J23561-NB045-L01



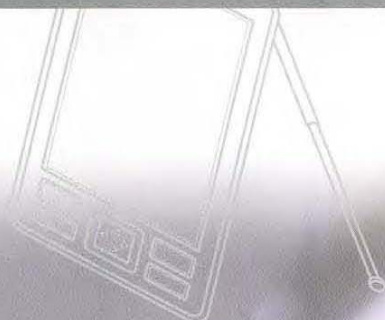
J23561-NB046-A01



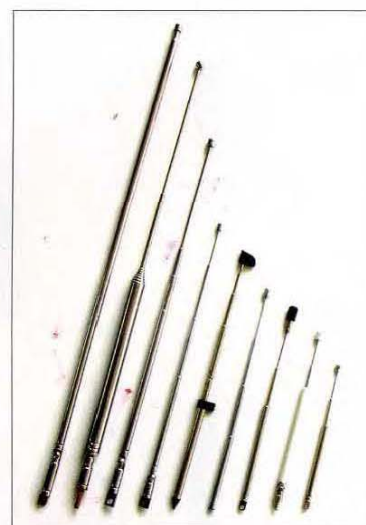
J23561-NB063-A01

* This PIFA type internal antenna is designed mostly custom made for the particular product application.

Extendable Antennas



AN44 series
Antenna with coaxial connector



AN45 series
Antenna with metal stud

Magnetic Mount & Suck Cap Base Extender Antennas

This magnetic or suck cap base antenna provides single or multi band for DVB-T, 900MHz, 1800MHz, 1900MHz, 2.4GHz, 5GHz. The compact design of this type antenna is ideal for extending the operation coverage and the magnetic and suck cap base are suitable for fixing to any flat and metal surfaces.

- DVB-T, APMS, GSM, DCS, PCS, UMTS, ISM, WLAN, Wireless Video WiFi and WiMAX applications
- 400M ~ 870M Hz, 900M / 1800M / 1900M Hz and 2.4G / 5G Hz systems
- Amplifier integrated active antenna
- High performance and compact size
- Magnetic mount or suck cap base mounting
- Fix or Tilt-Swivel flexibility, water proof application design
- Cable and connector customisable
- RoHS Compliant



J23561-AB02
35x105
■ ■ ■ ■ ■



J23561-AB04-Y
85x160~
■ ■ ■ ■ ■



J23561-AB04-LH
85x227
■ ■ ■ ■ ■



J23561-AB25-Y
30x163~
■ ■ ■ ■ ■



J23561-AB26-Y
30x156~
■ ■ ■ ■ ■



J23561-AB26-R
30x123~
■ ■ ■ ■ ■



J23561-AB27-C
50x145
■ ■ ■ ■ ■



J23561-AB27-F
50x169
■ ■ ■ ■ ■



J23561-AB27-H
50x223
■ ■ ■ ■ ■



J23561-AB27-K
50x223
■ ■ ■ ■ ■



J23561-AB27-W
50x131
■ ■ ■ ■ ■



J23561-AB28
27x144~
■ ■ ■ ■ ■



J23561-AB29-Y
49x163~
■ ■ ■ ■ ■



J23561-AB29-AY
64x167~
■ ■ ■ ■ ■



J23561-AB29-F
49x182
■ ■ ■ ■ ■



J23561-AB36-G
49x133
■ ■ ■ ■ ■



J23561-AB36-AG
64x140
■ ■ ■ ■ ■



J23561-AB36-W
50x105
■ ■ ■ ■ ■



J23561-AB38-W
40x97
■ ■ ■ ■ ■



J23561-AB39
40x132
■ ■ ■ ■ ■



J23561-AB39-A
46x143
■ ■ ■ ■ ■



J23561-AB39-B
40x171
■ ■ ■ ■ ■



J23561-AB40-A
62x115~
■ ■ ■ ■ ■



J23561-AB40-B
48x95
■ ■ ■ ■ ■



J23561-AB40-C
48x100
■ ■ ■ ■ ■



J23561-AB41
43x120~
■ ■ ■ ■ ■



J23561-AB42-ADS
88x410~
■ ■ ■ ■ ■



J23561-AB42-W
88x146
■ ■ ■ ■ ■



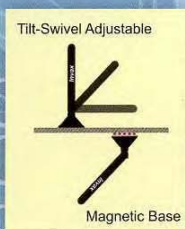
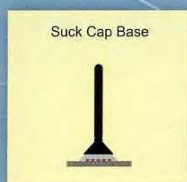
J23561-AB43-Y
69x330~
■ ■ ■ ■ ■



J23561-AB43-W
69x130
■ ■ ■ ■ ■

* Main Application : ■ WLAN ■ GSM ■ DVB-T ■ ISM ■ WiMAX

* The dimension is subject to change with different frequency and connector type request.



J23561-AB45
50x82
[Color Bar]



J23561-AB45-A
50x95
[Color Bar]



J23561-AB46-A
36x94
[Color Bar]



J23561-AB48
50x88
[Color Bar]



J23561-AB49-AY
46x161~
[Color Bar]



J23561-AB49-BY
47x230~
[Color Bar]



J23561-AB69-H
95x278
[Color Bar]



J23561-AB70
9x45~
[Color Bar]



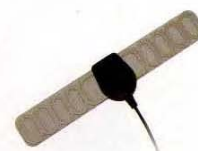
J23561-AB70-A
50x218~
[Color Bar]



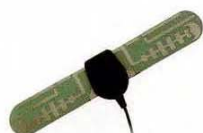
J23561-AB70-B
50x218~
[Color Bar]



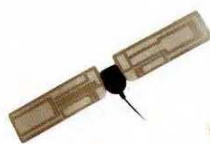
J23561-AB70-C
62x212~
[Color Bar]



J23561-AB71-A
50x218~
[Color Bar]



J23561-AB71-D
50x220~
[Color Bar]



J23561-AB71-E
60x460~
[Color Bar]



J23561-AB71-F
50x480~
[Color Bar]



J23561-AB74
28x141
[Color Bar]



J23561-AB75
17x150
[Color Bar]



J23561-AB76
25x150
[Color Bar]



J23561-AB82-F
54x90
[Color Bar]



J23561-AB82-FM
40x80
[Color Bar]



J23561-AB82-G
60x70
[Color Bar]



J23561-AB86-LT
85x296
[Color Bar]



J23561-AB86-H
85x205
[Color Bar]



J23561-AB87
28x138
[Color Bar]



J23561-AB87-A
28x116
[Color Bar]



J23561-AB87-B
42x148
[Color Bar]



J23561-AB87-C
42x126
[Color Bar]



J23561-AB87-Y
45x280~
[Color Bar]



J23561-AB88-A
45x95
[Color Bar]



J23561-AB88-B
45x130
[Color Bar]



J23561-AB88-C
45x148



J23561-AB88-F
45x115



J23561-AB88-G
45x136



J23561-AB88-H
45x176



J23561-AB88-I
45x136



J23561-AB88-J
45x121



J23561-AB88-R
45x150~



J23561-AB88-W
45x107



J23561-AB91-LF
83x145



J23561-AB91-LH
83x226



J23561-AB91-K
83x228



J23561-AB91-W
83x135



J23561-AB91-Z
83x135



J23561-AB93
20x240~



J23561-AB93-A
20x230~



J23561-AB93-B
25x240~



J23561-AB93-WY
45x280~



J23561-AB94-G
60x207



J23561-AB94-LH
60x219



J23561-AB91-K
60x238



J23561-AB94-S
60x437



J23561-AB94-T
60x337



J23561-AB94-Z
60x147



J23561-AB97
56x141



J23561-AB98
34x150~



J23561-AB98-A
46x171~



J23561-AB99-Z
80x97



J23561-AB99-H
80x233



J23561-AB99-2H
80x220



J23561-AB99-W
80x142

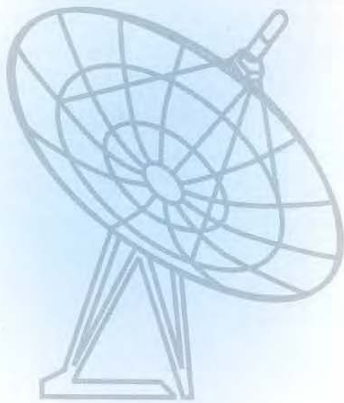
Dimension : DxL(mm)

External Magnetic Mount and Suck Cap Antenna Bases

The various options of the antenna base are well suited for desktop or fixing to any flat and metal surfaces. The antenna base provides the different mating interface of RF connectors or metal studs to fit any external antenna connector type with the different cable types to extending the wireless coverage.

The magnetic or suck cap base are the options for more flexible fixing applications.

Antenna Bases



					
J23561-BS04 86x77x32	J23561-BS25 30x20	J23561-BS26 30x28	J23561-BS27 50x27	J23561-BS28 27x21	J23561-BS29 49x41
					
J23561-BS36 49x17	J23561-BS42 88x44	J23561-BS42-A 88x60	J23561-BS42-M 90x30	J23561-BS43 68x34	J23561-BS49 34x28
					
J23561-BS69 95x50x86	J23561-BS86 86x26	J23561-BS88 46x20	J23561-BS91 83x60x30	J23561-BS94 60x43	J23561-BS99 80x75x40

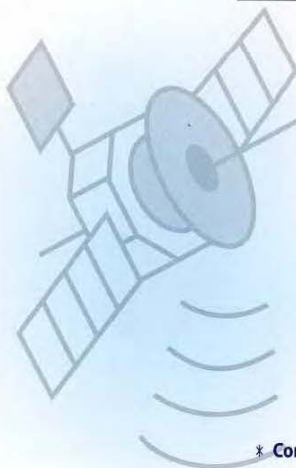
Dimension : DxH(mm)

GPS Antennas

External GPS Tracking & Location Antenna with Multi-Band + GPS Integrated design

AG Serie GPS Antenna is the compact design with excellent Signal Amplification compatible with almost every GPS receiver model and provides an excellent alternative for a vast range of GPS Mobile applications including AVL, Vehicle Navigation, Aviation.

Connector Type Options to GPS Antenna



SMA
SMB
SMC
MCX
MMCX
FME
Fakra
TNC
BNC
Mini-UHF
MC-card

* Connector customizable

J23561-AG01 (39x33x14)		J23561-AG02 (43x35x14)		J23561-AG03 (48x33x14)	
J23561-AG04 (85x77x32)		J23561-AG21 (72x60x13)		J23561-AG31 (45x15)	
J23561-AG32 (70x14)		J23561-AG32-A (70x14)		J23561-AG35 (70x14)	
J23561-AG36 (45x16)		J23561-AG41 (97x36x13)		J23561-AG43 (92x63x64)	

• GPS + GSM (Multi-Band) Combination Antenna Available.

Dimension : DxH(mm)

Flat Patch, Ceiling Mount & Rooftop Omni-directional High Gain Antennas

High Performance and rugged industrial grade design antennas are ideal for indoor and outdoor use. The antenna of different type options can be installed for either vertical or horizontal polarization.

- WLAN, Hotspot, GSM, ISM and MIMO for Indoor/outdoor multipoint and extending applications
- Outdoor, Marine and Vehicle Grade durable UV-stable housing or fiberglass radome weather-proof
- Providing broad coverage and different gain options, high performance and compact size
- GSM 850M / 900M / 1800M / 1900M / 2100M Hz & WLAN 2.4G / 5G Hz and Multi-band systems
- ISM Band 433M / 450M / 868M~870M / 915M / 928M Hz, Custom antennas can be designed on request
- Integral N-Female or TNC connector or extension cable end, cable & connector customisable
- RoHS Compliant

Flat Patch



J23561-DF21
270x140x37



J23561-DF31
280x260x37



J23561-DF41
350x260x37



J23561-DF51
397x352x37



J23561-DF10
135X125X35



J23561-DF15
221x186x35



J23561-DF20
223x195x50



J23561-DF30
315X100x35



J23561-DF40
331x186x35



J23561-DF50
386X356x35

Ceiling Mount



J23561-DR12
120X53



J23561-DR16
165X100



J23561-DR13
135x125

Marine & Vehicle



J23561-DR50
Multi-Band GPS+GSM



J23561-DR60
Vehicle GPS



J23561-DF80
Marine GPS



J23561-DR13-A
Marine Multi-Band



J23561-DR70
Marine GPS

Omni Outdoor Antennas



J23561-DS10



J23561-DS20



J23561-DS10-S
Rooftop Stand Type



J23561-DS10-C
Coax Lead Type



J23561-DS10
High Gain



J23561-DS11



N



J018168-N001
Cable Mount Plug



J018168-N010
Cable Mount Plug



J018168-N100
Flange Mount Jack



J018168-N110
Cable Mount Bulkhead Jack



J018168-N120
Cable Mount Clamp Jack



J018168-N130
Cable Mount Jack

TNC



J018168-TNC001
Cable Mount Plug



J018168-TNC010
Cable Mount Angle Plug



J018168-TNC100
Cable Mount Bulkhead Jack



J018168-TNC110
PCB Mount Jack



J018168-TNC120
Flange Mount Jack



J018168-TNC210
PCB Mount Angle Jack



J018168-TNC211
PCB Mount Angle Jack

MCX



J018168-MCX001
Cable Mount Plug



J018168-MCX020
Cable Mount Angle Plug



J018168-MCX100
PCB Mount Jack



J018168-MCX110
PCB Mount Jack



J018168-MCX111
PCB Mount Jack



J018168-MCX120
Cable Mount Bulkhead Jack



J018168-MCX200
PCB Mount Switch Jack



J018168-SMA010
Cable Mount Plug



J018168-SMA050
Cable Mount Angle Plug



J018168-SMA133
Cable Mount Bulkhead Jack



J018168-SMA134
Cable Mount Bulkhead Jack



J018168-SMA243
PCB Mount Angle Jack



J018168-SMA244
PCB Mount Angle Jack



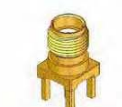
J018168-SMA301
Flange Mount Jack



J018168-SMA302
Flange Mount Plug



J018168-SMA303
Flange Mount Jack



J018168-SMA310
PCB Mount Jack



J018168-SMA311
PCB Mount Jack



J018168-SMA312
PCB Mount Jack



J018168-SMA330
PCB Mount Jack



J018168-SMA340
PCB Mount Plug



J018168-SMA341
PCB Mount Angle Plug



J018168-SMA342
PCB Mount Plug



J018168-MMCX010
Stud Mount Plug



J018168-MMCX020
Cable Mount Plug



J018168-MMCX040
Cable Mount Angle Plug



J018168-MMCX100
PCB Mount Jack



J018168-MMCX110
PCB Mount Jack



J018168-MMCX111
PCB Mount Jack



J018168-MMCX120
PCB Mount Angle Jack



J018168-MMCX130
Cable Mount Jack



J018168-PAL010
Cable Mount Angle Plug



J018168-PAL020
PCB Mount Angle Plug



J018168-PAL100
Cable Mount Jack



J018168-PAL110
PCB Mount JACK



J018168-PAL120
PCB Mount Angle Jack



J018168-PAL130
PCB Mount Jack



J018168-PAL140
PCB Mount Angle Jack



J018168-PAL150
Cable Mount Jack



J018168-F100
Cable Mount Bulkhead Jack



J018168-F120
Flange Mount Jack



J018168-F121
Flange Mount Jack



J018168-F130
PCB Mount Jack



J018168-F140
PCB Mount Angle Jack



J018168-F150
PCB Mount Angle Jack



J018168-F160
PCB Mount Jack



J018168-F278
PCB Mount Plug



J018168-SMB020
Cable Mount Plug



J018168-SMB030
Cable Mount Angle Plug



J018168-SMB040
PCB Mount Angle Plug



J018168-SMB050
PCB Mount Plug



J018168-SMB100
PCB Mount Angle Jack



J018168-SMB110
PCB Mount Jack



J018168-SMB120
Cable Mount Jack



J018168-SMB130
Cable Mount Angle Jack

BNC



J018168-BNC010
PCB Mount Bulkhead Angle Jack



J018168-BNC013
Cable Mount Bulkhead Jack



J018168-BNC075
PCB Mount Angle Jack



J018168-BNC099
PCB Mount Jack



J018168-BNC101
PCB Mount Jack



J018168-BNC103
Cable Mount Plug



J018168-BNC126
PCB Mount Bulkhead Angle Jack



J018168-BNC130
Cable Mount Angle Plug



J018168-BNC241
Terminator Plug



J018168-BNC1130
PCB Mount Angle Jack



J018168-BNC1131
PCB Mount Angle Stack Jack



J018168-BNC1147
TEE Adaptor



J018168-BNCFN9 1X2
Angle Type



J018168-BNCFN8 1X2
Angle Type



J018168-BNCFN8 1X3
Angle Type



J018168-BNCFN8 1X3
Angle Type



J018168-BNCFN9 1X4
Angle Type



J018168-BNCFN8 1X4
Angle Type



J018168-BNCFN9 1X5
Angle Type



J018168-BNCFN8 1X5
Angle Type



J018168-BNCFN9 2X1
Angle Type



J018168-BNCFN9 2X2
Angle Type



J018168-BNCFN8 2X2
Angle Type



J018168-BNCFN9 2X3
Angle Type



J018168-BNCFN8 2X3
Angle Type



J018168-BNCFN9 2X4
Angle Type



J018168-BNCFN8 2X4
Angle Type



J018168-FME001
Cable Mount Jack



J018168-FME010
Cable Mount Bulkhead Jack



J018168-FME100
Cable Mount Plug



J018168-UHF001
Cable Mount Plug



J018168-UHF100
Cable Mount Jack



J018168-UHF110
Cable Mount Angle Jack

FME

UHF

Adaptors



J020168-AA008
SMA - SMA



J020168-AA118
SMA - F



J020168-BF008
F - BNC



J020168-BP1154
BNC - F



J020168-BP1160
BNC - PAL



J020168-FA120
SMA - F



J020168-FF008
PAL - F



J020168-FF009
F - F



J020168-FF118
F - F



J020168-FF119
PAL - F



J020168-FF120
PAL - F



J020168-FN8PN8
N - MCX



J020168-FP008
PAL - F



J020168-FP018
PAL - SMA



J020168-M3724
RF SW - MMCX



J020168-MA120
SMA - MCX



J020168-MXN801
PAL - MCX



J020168-N8SAR8
N - SMA



J020168-NN118
N - N



J020168-NS002
SMA - N



J020168-SMAIPX
SMA - IPEX



J020168-SS009
SMA - SMA



J020168-SS128
SMA - SMA



J020168-TS008
N - SMA



J020168-TT008
TNC - TNC

Reflection Performance

VSWR	Return Loss (dB)	Transmission Loss (dB)	Reflection Coefficient	Power Transmission (%)	Power Reflection (%)
1.00	-	0.000	0.00	100.0	0.0
1.01	46.1	0.000	0.00	100.0	0.0
1.02	40.1	0.000	0.01	100.0	0.0
1.03	36.6	0.001	0.01	100.0	0.0
1.04	34.2	0.002	0.02	100.0	0.0
1.05	32.3	0.003	0.02	99.9	0.1
1.06	30.7	0.004	0.03	99.9	0.1
1.07	29.4	0.005	0.03	99.9	0.1
1.08	28.3	0.006	0.04	99.9	0.1
1.09	27.3	0.008	0.04	99.8	0.2
1.10	26.4	0.010	0.05	99.8	0.2
1.11	25.7	0.012	0.05	99.7	0.3
1.12	24.9	0.014	0.06	99.7	0.3
1.13	24.3	0.016	0.06	99.6	0.4
1.14	23.7	0.019	0.07	99.6	0.4
1.15	23.1	0.021	0.07	99.5	0.5
1.16	22.6	0.024	0.07	99.5	0.5
1.17	22.1	0.027	0.08	99.4	0.6
1.18	21.7	0.030	0.08	99.3	0.7
1.19	21.2	0.033	0.09	99.2	0.8
1.20	20.8	0.036	0.09	99.2	0.8
1.21	20.4	0.039	0.10	99.1	0.9
1.22	20.1	0.043	0.10	99.0	1.0
1.23	19.7	0.046	0.10	98.9	1.1
1.24	19.4	0.050	0.11	98.9	1.1
1.25	19.1	0.054	0.11	98.8	1.2
1.26	18.8	0.058	0.12	98.7	1.3
1.27	18.5	0.062	0.12	98.6	1.4
1.28	18.2	0.066	0.12	98.5	1.5
1.29	17.9	0.070	0.13	98.4	1.6
1.30	17.7	0.075	0.13	98.3	1.7
1.32	17.2	0.083	0.14	98.1	1.9
1.34	16.8	0.093	0.15	97.9	2.1
1.36	16.3	0.102	0.15	97.7	2.3
1.38	15.9	0.112	0.16	97.5	2.5
1.40	15.6	0.122	0.17	97.2	2.8
1.42	15.2	0.133	0.17	97.0	3.0
1.44	14.9	0.144	0.18	96.7	3.3
1.46	14.6	0.155	0.19	96.5	3.5
1.48	14.3	0.166	0.19	96.3	3.7
1.50	14.0	0.177	0.20	96.0	4.0
1.52	13.7	0.189	0.21	95.7	4.3
1.54	13.4	0.201	0.21	95.5	4.5
1.56	13.2	0.213	0.22	95.2	4.8
1.58	13.0	0.225	0.22	94.9	5.1
1.60	12.7	0.238	0.23	94.7	5.3
1.62	12.5	0.250	0.24	94.4	5.6
1.64	12.3	0.263	0.24	94.1	5.9
1.66	12.1	0.276	0.25	93.8	6.2
1.68	11.9	0.289	0.25	93.6	6.4
1.70	11.7	0.302	0.26	93.3	6.7
1.72	11.5	0.315	0.26	93.0	7.0
1.74	11.4	0.329	0.27	92.7	7.3
1.76	11.2	0.342	0.28	92.4	7.6
1.78	11.0	0.356	0.28	92.1	7.9
1.80	10.9	0.370	0.29	91.8	8.2
1.82	10.7	0.384	0.29	91.5	8.5
1.84	10.6	0.398	0.30	91.3	8.7
1.86	10.4	0.412	0.30	91.0	9.0
1.88	10.3	0.426	0.31	90.7	9.3
1.90	10.2	0.440	0.31	90.4	9.6
1.92	10.0	0.454	0.32	90.1	9.9
1.94	9.9	0.468	0.32	89.8	10.2
1.96	9.8	0.483	0.32	89.5	10.5
1.98	9.7	0.497	0.33	89.2	10.8
2.00	9.5	0.512	0.33	88.9	11.1
2.50	7.4	0.881	0.43	81.6	18.4
3.00	6.0	1.249	0.50	75.0	25.0
3.50	5.1	1.603	0.56	69.1	30.9
4.00	4.4	1.938	0.60	64.0	36.0
4.50	3.9	2.255	0.64	59.5	40.5
5.00	3.5	2.553	0.67	55.6	44.4
5.50	3.2	2.834	0.69	52.1	47.9
6.00	2.9	3.100	0.71	49.0	51.0
6.50	2.7	3.351	0.73	46.2	53.8
7.00	2.5	3.590	0.75	43.7	56.3
7.50	2.3	3.817	0.76	41.5	58.5
8.00	2.2	4.033	0.78	39.5	60.5
8.50	2.1	4.240	0.79	37.7	62.3
9.00	1.9	4.437	0.80	36.0	64.0
9.50	1.8	4.626	0.81	34.5	65.5
10.00	1.7	4.807	0.82	33.1	66.9
11.00	1.6	5.149	0.83	30.6	69.4
12.00	1.5	5.466	0.85	28.4	71.6
13.00	1.3	5.762	0.86	26.5	73.5
14.00	1.2	6.040	0.87	24.9	75.1
15.00	1.2	6.301	0.88	23.4	76.6
16.00	1.1	6.547	0.88	22.1	77.9
17.00	1.0	6.780	0.89	21.0	79.0
18.00	1.0	7.002	0.89	19.9	80.1
19.00	0.9	7.212	0.90	19.0	81.0
20.00	0.9	7.413	0.90	18.1	81.9
25.00	0.7	8.299	0.92	14.8	85.2
30.00	0.6	9.035	0.94	12.5	87.5

Coaxial Cable Reference Table

Type No.	Center Conductor (No./mm)	Dielectric O.D. Max (mm)	Jacket O.D. Max (mm)	Nominal Impedance (Ohm)
RG-6/U	1/0.724	4.699	8.433	75
RG-6A/U	1/0.724	4.699	8.433	75
RG-8/U	7/0.724	7.239	10.287	50
RG-8A/U	7/0.724	7.239	10.287	50
RG-9/U	7/0.724	7.112	10.668	50
RG-9A/U	7/0.724	7.112	10.668	50
RG-9B/U	7/0.724	7.112	10.668	50
RG-11/U	7/0.404	7.239	10.287	75
RG-11A/U	7/0.404	7.239	10.287	75
RG-58/U	1/0.0813	2.946	4.953	50
RG-58A/U	19/0.180	2.946	4.953	50
RG-58C/U	19/0.180	2.946	4.953	50
RG-59/U	1/0.643	3.708	6.147	75
RG-59A/U	1/0.643	3.708	6.147	75
RG-59B/U	1/0.584	3.708	6.147	75
RG-62/U	1/0.643	3.708	6.147	93
RG-62A/U	1/0.643	3.708	6.147	93
RG-62B/U	7/0.203	3.708	6.147	93
RG-122/U	27/0.127	2.440	4.060	50
RG-130/U	7/0.724*2C	12.000	15.900	95
RG-141/U	1/0.912	2.946	4.826	50
RG-141A/U	1/0.991	2.946	4.826	50
RG-142/U	1/0.912	2.946	5.232	50
RG-142A/U	1/0.991	2.946	5.232	50
RG-142B/U	1/0.991	2.946	4.953	50
RG-164/U	1/2.650	17.300	22.100	75
RG-174/U	7/0.180	1.520	2.667	50
RG-174A/U	7/0.180	1.520	2.667	50
RG-178/U	7/0.102	0.864	2.000	50
RG-178A/U	7/0.102	0.864	1.905	50
RG-178B/U	7/0.102	0.864	1.905	50
RG-179/U	7/0.102	1.448	2.388	75
RG-179A/U	7/0.102	1.600	2.667	75
RG-179B/U	7/0.102	1.600	2.540	75
RG-187/U	7/0.102	1.600	2.794	75
RG-187A/U	7/0.102	1.524	2.794	75
RG-188/U	7/0.170	1.524	2.794	50
RG-188A/U	7/0.170	1.524	2.794	50
RG-196/U	7/0.010	0.864	2.032	50
RG-196A/U	7/0.010	0.864	2.032	50
RG-210/U	1/0.643	3.708	6.147	93
RG-213/U	7/0.752	7.239	10.287	50
RG-214/U	7/0.752	7.239	10.795	50
RG-216/U	7/0.404	7.240	10.800	75
RG-217/U	1/2.690	9.400	13.800	50
RG-223/U	1/0.889	2.946	5.488	50
RG-316/U	7/0.170	1.524	2.591	50
RG-400/U	19/0.0484	2.946	4.953	50

Cable Type No.	Annealed Copper Details	PE Dielectric Core Diameter	PVC Mckel Overall Diameter	Characteristic Impedance (10MHz)
15C - 2V	1/0.26	1.60	2.90	75 Ohm±3
25C - 2V	1/0.40	2.40	4.00	75 Ohm±3
3C - 2V	1/0.50	3.10	5.40	75 Ohm±3
5C - 2V	1/0.80	4.90	7.40	75 Ohm±3
5C - 2W	1/0.80	4.90	8.30	75 Ohm±3
7C - 2V	7/0.40	7.30	10.40	75 Ohm±3
10C - 2V	7/0.50	9.40	13.00	75 Ohm±3
10C - 2W	7/0.50	9.20	14.20	75 Ohm±3
20C - 2V	1/2.90	19.00	24.10	75 Ohm±3
30 - 2V	7/0.32	3.00	5.30	50 Ohm±2
80 - 2V	7/0.80	7.80	11.10	50 Ohm±2
100 - 2V	1/2.90	9.70	13.10	50 Ohm±2
BT2002	7/0.20	2.40	5.10	75 Ohm
BT2003	0.61	3.70	6.65	75 Ohm
BT3002	0.31	1.95	3.55	75 Ohm
TZC / RA750	0.31	1.95	3.55	75 Ohm

dB to Watt Conversion Table

dB	Watts
0	1.0 mW
1	1.3 mW
2	1.6 mW
3	2.0 mW
4	2.5 mW
5	3.2 mW
6	4.0 mW
7	5.0 mW
8	6.0 mW
9	8.0 mW
10	10.0 mW
11	13.0 mW
12	16.0 mW
13	20.0 mW
14	25.0 mW
15	32.0 mW
16	40.0 mW
17	50.0 mW
18	63.0 mW
19	79.0 mW
20	100.0 mW
21	126.0 mW
22	158.0 mW
23	200.0 mW
24	250.0 mW
25	316.0 mW
26	398.0 mW
27	500.0 mW
28	630.0 mW
29	800.0 mW
30	1.0 W
31	1.3 W
32	1.6 W
33	2.0 W
34	2.5 W
35	3.2 W
36	4.0 W
37	5.0 W
38	6.3 W
39	8.0 W
40	10.0 W
41	13.0 W
42	16.0 W
43	20.0 W
44	25.0 W
45	32.0 W
46	40.0 W
47	50.0 W