

RF Coaxial Connectors, Adapters Catalog

MHF4L · MHFI · MMCX · MCX · SMA · SMB · BNC · TNC · N · Adapters



www.joymax.com.tw

About Joymax Inc.

Joymax Inc. found in 1994 manufactures wireless components including antennas, RF connectors and cables assemblies for Internet of Things (IoT) application. Antennas for wireless IoT can be a design challenge. The Joymax team relentlessly focuses on ensuring customer successful product launches by guiding customers through selection and adoption of the best antenna for each individual design. Joymax Inc. lives in EnJOY MAX Wireless[®]. With easy to use products and a focus on customer service, Joymax strives to make every customer engineer success in making wireless design.

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- Complimentary design reviews
- Complimentary antenna-matching circuit design
- Full-custom and semi-custom antenna and cable assembly design and documentation

Brand Promise

If you choose to incorporate our components in your design, we relentlessly focus on ensuring your successful product launches.

How to Purchase

Joymax sells directly and through a global network of distributors, catalog houses and representatives. See the full list of distributors at the end of this catalog or visit:

https://www.joymax.com.tw/en/

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Catalog Organization

Connectors product listings are grouped by family as defined below. Within each grouping, connectors are listed by termination type, part number and characteristics, for ease of product selection.

RF Coaxial Connector families

SMA & RP-SMA (Reverse Polarity)

SMA and RP-SMA connectors provide a 1/4"-36UNS-2 threaded connection meeting MIL-STD-348

- SMA Plug (male pin) and SMA Jack (female socket) threaded connection
- RP-SMA Plug (female socket) and RP-SMA Jack (male pin) threaded connection
- Gold plated or Nickel plated brass construction
- Used in frequency applications up to 8.5 GHz
- See page 8

Ν

N connectors provide a 5/8-24UNEF-2 threaded connection meeting MIL-STD-348.

- N Plug (male pin) and N Jack (female socket) threaded connection
- RP N Plug (female socket) and RP N Jack (male pin) threaded connection
- Nickel plated brass construction
- Used in frequency applications up to 8.5 GHz
- See page 12

MHF[®] / U.FL[™] / UMCC / AMC[®]

MHF4L and MHF1 connectors provide a snap-on connection

- MHF type Jack/Receptacle (male pin) snap-on connection
- Gold plated brass construction
- Used in frequency applications up 9 (MHF1) and 12 GHz (MHF4L)
- See page 14

MMCX

MMCX connectors provide a snap-on connection meeting IEC-61169-52.

- MMCX Plug (male pin) and MMCX Jack (female socket) snap-on connection
- Gold plated brass construction
- Used in frequency applications up to 8.5 GHz
- See page 15

MCX

MCX connectors provide a snap-on connection meeting IEC-60169-36.

- MCX Plug (male pin) and MCX Jack (female socket) snap-on connection
- Gold plated brass construction
- Used in frequency applications up to 8.5 GHz
- See page 17



RF Coaxial Connector families

SMB

SMB connectors provide a snap-on connection meeting IEC-60169-10.

- SMB Plug (male pin) and SMB Jack (female socket) threaded connection
- Gold plated brass construction
- Used in frequency applications up to 8.5 GHz
- See page 18

BNC

BNC connectors provide a bayonet connections meeting IEC-61169-8.

- BNC Plug (male pin) and BNC Jack (female socket) bayonet connection
- RP BNC Plug (female socket) and RP BNC Jack (male pin) threaded connection
- Nickel plated brass construction
- Used in frequency applications up to 3 GHz
- See page 19

TNC

TNC connectors provide threaded connection meeting IEC-60169-17.

- TNC Plug (male pin) and TNC Jack (female socket) threaded connection
- RP TNC Plug (female socket) and RP TNC Jack (male pin) threaded connection
- Nickel plated brass construction
- Used in frequency applications up to 8.5 GHz
- See page 20

Adapter

Adapters provide connection solutions for the interface types described above. They can be paired according to connection interface types. See <u>page 21</u>



Connector Size Overview

Figure 1 shows the connector (Plug, Jack) side and end views.





Mounting Type

Free Hanging



Connector attaches to coaxial cable with a solder or crimp connection. Connectors that attach to coaxial cable provide all parts necessary for cable installation including a center contact, hex crimp ferrule and heat shrink tubing. See <u>pages 8</u>, <u>12</u>, <u>15</u>, <u>17</u>, <u>18</u>, <u>19</u>, <u>20</u> for getting more product information.

- Crimp: secured to pre-stripped cable, using mechanical friction and deformation
- Clamp: fastened to cable, using clamp
- Solder: joined to cable through melting conductive mate

PCB Mount



Connector mounts directly to PCB using solder. Generally mounted on the surface or edge of the board, or using through-holes in the board. Surface mount connectors designed for mounting to a printed circuit board, (PCB) are designed for reflow solder mounting directly to a PCB for high-volume applications using a standard reflow profile. See page 9 for getting more product information.

Panel Mount



Connector mounts through an enclosure wall. Connections to the printed circuit board are made with solder post or cabled connection. Panel Mount connectors are provided with a washer and hex nut for installation in an enclosure. For sealed installation an O-ring is supplied which seats in a fitted groove. See <u>pages 10</u>, <u>13</u>, <u>20</u> for getting more product information.



Connector Gender and Polarity

RF coaxial connectors come in a wide variety of sizes, attachment types and coupling systems (most commonly screw-on and snap-on). All have the common traits of a center conductor to conduct a radio frequency signal and a connector housing to make and hold the connection as well as provide grounded shielding of the signal as depicted in the SMA connectors in **Figure 2**.

The ways in which the two housings and center conductors engage to make both physical and electrical connection have been treated as physical genders, male and female, to describe which half of the connection is which. There are a number of other terms used for the same purpose and they generally align as





However, there exists what is called a reverse-polarity SMA (RP-SMA) connector as shown in **Figure 3**. which reverses the center conductors. With an RP-SMA connector, the plug housing has a female/socket center conductor and the jack housing has a male/pin center conductor.



Figure 3. RP-SMA connectors

Materials and Plating

Connectors are offered in nickel or gold plated brass for most uses. Center contacts are gold plated brass for male pins, and female sockets are gold plated beryllium copper to ensure the longevity of the connector.

N series connectors are brass with nickel plating for superior corrosion resistance and reduced distortion caused by passive intermodulation (PIM).



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SMA Connectors

SMA connectors provide threaded connection. SMA connectors are commonly used attached with coaxial cable or mounted on enclosure of device. Joymax SMA connectors are designed for applications up to 8.5 GHz with low reflection and constant 50 ohm impedance. SMA connectors distinguish themselves as of high durability(mating 500 cycles under operating temperature of $-40^{\circ}C^{+}+85^{\circ}C$).

- SMA Plug (Male pin) threaded connection
- SMA Jack (Female socket) threaded connection



Free hanging (with cable)

CT-SAA11A	Overview	Electrical Data		Mechanical Data	
	SMA Plug ConnectorMale pinRight angleCable group: 1.37mm	Frequency range Impedance (Ohms) VSWR (Max.) DC~3 GHz 3~6 GHz 6~8.5 GHz DC~8.5 GHz	DC to 8.5 GHz 50 Ω 1.1 1.3 1.7 1.7	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold (Ni) PTFE Brass Gold 500 cycles
CT-SAA11B	Overview	Electrical Data		Mechanical Dat	ta
	SMA Plug ConnectorMale pinRight angleCable group: RG178	Frequency range Impedance (Ohms) VSWR (Max.) DC~3 GHz 3~6 GHz 6~8.5 GHz DC~8.5 GHz	DC to 8.5 GHz 50 Ω 1.1 1.2 1.6 1.6	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold (Ni) PTFE Brass Gold 500 cycles
CT-SAA11C	Overview	Electrical Data		Mechanical Dat	ta
C C C C C C C C C C C C C C C C C C C	 SMA Plug Connector Male pin Right angle Cable group: RG174, RG316 	Frequency range Impedance (Ohms) VSWR (Max.) DC~3 GHz 3~6 GHz	DC to 6 GHz 50 Ω 1.3 1.9	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold (Ni) PTFE Brass Gold 500 cycles



SMA

Free hanging (with cable)

Cable Termination

CT-SAA01A	Overview	Electrical Data		Mechanical Da	ta
	SMA Plug ConnectorMale pinStraight angleCable group: 1.13mmCrimp	Frequency range Impedance (Ohms) VSWR (Max.) DC~3 GHz 3~6 GHz 6~8.5 GHz DC~8.5 GHz	DC to 8.5 GHz 50 Ω 1.1 1.4 1.5 1.5	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold (Ni) PTFE Phosphor Bronze Gold 500 cycles

PCB Mount

Through hole

CT-SAB11X-006M	Overview	Electrical Data		Mechanical Data		
	SMA Jack ConnectorThrough-holeFemale socketRight angleLeg length 3.9mm	Frequency range Impedance (Ohms) VSWR (Max.)	DC to 6 GHz 50 Ω 1.6	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold PTFE Phosphor Bronze Gold 500 cycles	
CT-SABA1A	Overview	Electrical Data		Mechanical Dat	a	
	SMA lack Connector	Frequency range				



SMA

Panel Mount

CT-SAB01A	Overview	Electrical Data		Mechanical Dat	ta
•	SMA Jack ConnectorFemale socketStraightCable group: 1.13mm	Frequency range Impedance (Ohms) VSWR (Max.) DC~3 GHz 3~6 GHz 6~8.5 GHz DC~8.5 GHz	DC to 8.5 GHz 50 Ω 1.2 1.5 2.0 2.0	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold PTFE Phosphor Bronze Gold 500 cycles



RP-SMA Connectors (Reverse Polarity)

PCB Mount

Through hole

CT-SAD12X-006M	Overview	Electrical Data		Mechanical Dat	a
	 RP-SMA Jack Connector Male pin Straight angle Edge mount Through hole Leg length 3mm 	Frequency range Impedance (Ohms) VSWR (Max.)	DC to 6 GHz 50 Ω 1.25	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold PTFE Brass Gold 500 cycles
CT-SAD11X-006M	Overview	Electrical Data		Mechanical Dat	a
	RP-SMA Jack ConnectorMale pinRight angleThrough holeLeg length 3.8mm	Frequency range Impedance (Ohms) VSWR (Max.)	DC to 6 GHz 50 Ω 1.6	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold PTFE Brass Gold 500 cycles



N Connectors

The N-Type connectors are designed for applications up to 8.5 GHz with low reflection and constant 50 ohm impedance. N connectors distinguish themselves as of high durability(mating 500 cycles under operating temperature of – 40°C~+85°C). N connectors provide threaded connection. Customized configuration of cable type and thread length could be inquired through Joymax.

- N-Type Plug (Male pin) threaded connection
- N-Type Jack (Female socket) threaded connection



Free hanging (with cable)

CT-NXE01D	Overview	Electrical Data		Mechanical Dat	ta
	N Plug connector	Frequency range	DC to 8.5 GHz	Body material	Brass
	Male pin	Impedance (Ohms)	50 Ω	Body Finish	Ni
	• Cable group: RG58, J195	VSWR (Max.)		Dielectric	PTFE
		DC~3 GHz	1.1	Center Contact	Brass
		3~6 GHz	1.4	Center Finish	Gold
		6~8.5 GHz	1.6	Mating Cycles	500 cycles
		DC~8.5 GHz	1.6		



Panel Mount

CT-NXB01A	Overview	Electrical Data		Mechanical Dat	ta
	N Jack connector • Female socket • Cable group: 1.37mm	Frequency range Impedance (Ohms) VSWR (Max.) DC~3 GHz 3~6 GHz 6~8.5 GHz DC~8.5 GHz	DC to 8.5 GHz 50 Ω 1.2 1.5 1.6 1.6	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Ni PTFE Phosphor Bronze Gold 500 cycles
CT-NXS01C	Overview	Electrical Data		Mechanical Dat	ta
	N Jack connector • Female socket • Cable group: RG174, RG316 • Bulkhead mount	Frequency range Impedance (Ohms) VSWR (Max.) DC~3 GHz 3~6 GHz 6~8.5 GHz DC~8.5 GHz	DC to 8.5 GHz 50 Ω 1.2 1.3 1.4 1.4	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Ni PTFE Phosphor Bronze Gold 500 cycles
CT-NXF01C	Overview	Electrical Data		Mechanical Dat	a
	N Jack connector • Female socket • Cable group: RG174, RG316	Frequency range Impedance (Ohms) VSWR (Max.) DC~3 GHz 3~6 GHz 6~8.5 GHz DC~8.5 GHz	DC to 8.5 GHz 50 Ω 1.2 1.5 1.6 1.6	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Ni PTFE Phosphor Bronze Gold 500 cycles



MHF Connectors

The MHF[®] connectors are crafted with gold plated brass, ensuring durability, longevity, and optimal conductivity. They provide out-of-edge compatibility for different uses with supporting a broad frequency range from DC to 12 GHz or DC to 9 GHz. MHF connectors provide snap-on connection.

- MHF1 receptacle (Male pin)
- MHF4L receptacle (Male pin)



Surface Mount

		1			
CT-MFB01X	Overview	Electrical Data		Mechanical Da	ta
	 MHF4L Jack connector Male pin Surface mount (SMT) 	Frequency range Impedance (Ohms) VSWR (Max.) DC~3GHz 3~6 GHz 6~9 GHz 9~12 GHz	DC to 12 GHz 50 1.30 1.40 1.50 1.65	Body material Body finish Dielectric Center contact Center finish Mating cycles Op. Temp.	Phosphor Bronze Gold Liquid Crystal Polymer Brass Gold 30 cycles -40°C to +90°C
CT-MPB01X	Overview	Electrical Data		Mechanical Da	ta
	MHF1 receptacle connectorMale pinSurface mount (SMT)	Frequency range Impedance (Ohms) VSWR (Max.) DC~3GHz 3 ~ 6 GHz 6 ~ 9 GHz	DC to 9 GHz 50 1.30 1.40 1.80	Body material Body finish Dielectric Center contact Center finish Mating cycles Op. Temp.	Phosphor Bronze Gold Liquid Crystal Polymer Brass Gold 30 cycles -40°C to +90°C



MMCX Connectors

The MMCX connectors are designed for applications up to 8.5 GHz with low reflection and constant 50 ohm impedance. MMCX connectors featuring "snap-on" design which has excellent blend of size (50% of the standard MCX connector), weight and durability (mating 500 cycles under operating temperature of $-40^{\circ}C^{+85^{\circ}C}$).

• MMCX Plug (Male pin) snap-on connection



Plug					
Code	Millin	neters			
0040	Min.	Max.			
А	-	2.40			
В	2.70	-			
С	0.00	0.25			
D	1.23	-			
E	1.58	1.62			
F	1.23	-			
G	0.38	0.42			
н	-	0.20			
I	-	-			



	Jack			
Code	Millim	neters		
couc	Min.	Max.		
Α	2.41	-		
В	-	2.65		
С	0.90	1.20		
D	0.70 nom.			
E	1.40	-		
F	3.00	3.04		
G	2.88	2.92		
Н	1.57	1.63		
I	2.26	2.34		

EnJOY MAX Wireless®

Free hanging (with cable)

Cable Termination

CT-MMA01B	Overview	Electrical Data		Mechanical Data	
	MMCX Plug connector	Frequency range	DC to 8.5 GHz	Body Material	Brass
	 Male pin 	Impedance (Ohms)	50 Ω	Body Finish	Gold
	 Cable group: RG178 	VSWR (Max.)		Dielectric	PTFE
		DC~3 GHz	1.4	Center Contact	Phosphor Bronze
The second second		3~6 GHz	1.7	Center Finish	Gold
		6~8.5 GHz	1.7	Mating Cycles	500 cycles
		DC~8.5 GHz	1.7		
CT-MMA01C	Overview	Electrical Data		Mechanical Data	
	 MMCX Plug connector 	Frequency range	DC to 8.5 GHz	Body material	Brass
	Male pin	Impedance (Ohms)	50 Ω	Body Finish	Gold
	 Cable group: RG316,RG174 	VSWR (Max.)		Dielectric	PTFE
		DC~3 GHz	1.3	Center Contact	Phosphor Bronze
		3~6 GHz	1.8	Center Finish	Gold
		6~8.5 GHz	1.8	Mating Cycles	500 cycles
No. Contraction of the second		DC~8.5 GHz	1.8		
	-				
CT-MMA11A	Overview	Electrical Data		Mechanical Data	
	 MMCX Plug connector 	Frequency range	DC to 8.5 GHz	Body material	Brass
1200	 Male pin 	Impedance (Ohms)	50 Ω	Body Finish	Gold
	 Cable group: 1.13, 1.37mm 	VSWR (Max.)		Dielectric	PTFE
		DC~3 GHz	1.3	Center Contact	Phosphor Bronze
		3~6 GHz	1.6	Center Finish	Gold
		6~8.5 GHz	1.9	Mating Cycles	500 cycles
		DC~8.5 GHz	1.9		
-					



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MMCX

Free hanging (with cable)

CT-MMA11B	Overview	Electrical Data		Mechanical Data	
	MMCX Plug connectorMale pinCable group: RG178	Frequency range Impedance (Ohms) VSWR (Max.) DC~3 GHz 3~6 GHz 6~8.5 GHz DC~8.5 GHz	DC to 8.5 GHz 50 Ω 1.2 1.4 1.6 1.6	Body Material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold PTFE Phosphor Bronze Gold 500 cycles
CT-MMA11C	Overview	Electrical Data		Mechanical Data	
	MMCX Plug connector • Male pin • Cable group: RG174, RG316	Frequency range Impedance (Ohms) VSWR (Max.) DC~3 GHz 3~6 GHz 6~8.5 GHz DC~8.5 GHz	DC to 8.5 GHz 50 Ω 1.1 1.4 1.5 1.5	Body Material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold PTFE Phosphor Bronze Gold 500 cycles



MCX Connectors

The MCX connectors are designed for applications up to 8.5 GHz with low reflection and constant 50 ohm impedance. MCX connectors which feature "snap-on" design for an excellent blend of size, weight and durability (mating 500 cycles under operating temperature of -40°C~+85°C).

• MMCX Plug (Male pin) snap-on connection



Free hanging (with cable)

Cable Termination

CT-MXA01B	Overview	Electrical Data		Mechanical Data	
	MCX Plug connector	Frequency range	DC to 7.2 GHz	Body Material	Brass
	Male pin	Impedance (Ohms)	50 Ω	Body Finish	Gold
	• Cable group: RG178	VSWR (Max.)		Dielectric	PTFE
and a second		DC~3 GHz	1.2	Center Contact	Phosphor Bronze
		3~6 GHz	1.4	Center Finish	Gold
		6~7.2 GHz	1.8	Mating Cycles	500 cycles
•					

CT-MXA01C	Overview	Electrical Data		Mechanical Data	
	MCX Plug connector • Male pin • Cable group: RG174, RG316	Frequency range Impedance (Ohms) VSWR (Max.)	DC to 6 GHz 50 Ω	Body Material Body Finish Dielectric	Brass Gold PTFE
		DC~3 GHz 3~6 GHz	1.2 2.0	Center Contact Center Finish Mating Cycles	Phosphor Bronze Gold 500 cycles
CT-MXA11C	Overview	Electrical Data		Mechanical Data	l
	MCX Plug connector	Frequency range	DC to 8.5 GHz	Body Material	Brass
	 Male pin 	Impedance (Ohms)	50 Ω	Body Finish	Gold
	 Cable group: RG174, RG316 	VSWR (Max.)	1.2	Dielectric Conton Contont	PIFE Bhosphor Bronzo
			1.2	Center Contact	Cold
and the second sec			1.5	Mating Cyclos	GOIU 500 cyclos
			1.5	wating cycles	JUU LYLIES
			1.5		



SMB Connectors

The SMB connectors are designed for applications up to 8.5 GHz with low reflection and constant 50 ohm impedance. SMB connectors distinguish themselves as of high durability (mating 500 cycles under operating temperature of –40°C~+85°C). SMB connectors provide snap-on connection.

• SMB Plug (Female socket) snap-on connection



Free hanging (with cable)

CT-SBC01C	Overview	Electrical Data		Mechanical Dat	a
	SMB Plug connector	Frequency range	DC to 8.5 GHz	Body Material	Brass
	 Female socket 	Impedance (Ohms)	50 Ω	Body Finish	Gold
	• Cable group: RG174, RG316	VSWR (Max.)		Dielectric	PTFE
	,	DC~3 GHz	1.4	Center Contact	Phosphor Bronze
		3~6 GHz	1.9	Center Finish	Gold
		6~8.5 GHz	2.0	Mating Cycles	500 cycles
		DC~8.5 GHz	2.0		



BNC Connectors

The BNC connectors are designed for applications up to 3 GHz with low reflection and constant 50 ohm impedance. BNC connectors distinguish themselves as of high durability (mating 500 cycles under operating temperature of – 40°C~+85°C). BNC connectors feature a bayonet lock design which is particularly suitable for frequently coupled and uncoupled RF connections.

• BNC Plug (Male pin) bayonet lock connection



Free hanging (with cable)

CT-BCE01D	Overview	Electrical Data		Mechanical Dat	a
	BNC plug connector	Frequency range	DC to 3 GHz	Body material	Brass
	 Male pin 	Impedance (Ohms)	50 Ω	Body Finish	Ni
	 Cable group: RG58, J195 	VSWR (Max.)		Dielectric	PTFE
		DC~3 GHz	2.0	Center Contact	Brass
				Center Finish	Gold
				Mating Cycles	500 cycles
-					



TNC Connectors

The TNC connectors are designed for applications up to 8.5 GHz with low reflection and constant 50 ohm impedance. TNC connectors distinguish themselves as of high-mechanical strength and high durability (mating 500 cycles under operating temperature of –40°C~+85°C). TNC connectors provide the threaded connection.

• TNC Jack (Male pin) threaded connection



Panel Mount

Cable Termination

CT-TCS01C	Overview	Electrical Data		Mechanical Dat	ta
	 TNC Jack connector Male pin Cable group: RG316, RG174 Bulkhead mount 	Frequency range Impedance (Ohms) VSWR (Max.) DC~3 GHz 3~6 GHz	DC to 8.5 GHz 50 Ω DC~3 GHz 3~6 GHz	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Ni PTFE Brass Gold 500 cycles

Free Hanging

CT-TCF01A	Overview	Electrical Data		Mechanical Data	
	TNC Jack connector	Frequency range	DC to 8.5 GHz	Body material	Brass
	Male pin	Impedance (Ohms)	50 Ω	Body Finish	Ni
	 Cable group: 1.37mm 	VSWR (Max.)		Dielectric	PTFE
		DC~3 GHz	1.3	Center Contact	Brass
		3~6 GHz	1.6	Center Finish	Gold
		6~8.5 GHz	1.8	Mating Cycles	500 cycles
		DC~8.5 GHz	1.8		
— • •					



RF Adapters

SMA Between Adapters

SMA to SMA Type

	Overview	Electrical Data		Machanical Date	`
	SMA Plug (male pin) to SMA Plug (male pin)	Frequency range Impedance (Ohms) VSWR (Max.)	DC to 18 GHz 50 Ω 1.3	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold PTFE Brass Gold 500 cycles
ΔΟ-SAASAC-001Μ	Overview	Electrical Data		Mechanical Data	3
	SMA Plug (male pin) to RP-SMA Plug (female socket)	Frequency range Impedance (Ohms) VSWR (Max.)	DC to 18 GHz 50 Ω 1.3	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold PTFE Phosphor Bronze Gold 500 cycles
AD-SABSAD-001M	Overview	Electrical Data		Mechanical Data	3
Contraction	SMA Jack (female socket) to RP -SMA Jack (male pin)	Frequency range Impedance(Ohms) VSWR (Max.)	DC to 18 GHz 50 Ω 1.3	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold PTFE Phosphor Bronze Gold 500 cycles
AD-SABSAB-001M	Overview	Electrical Data		Mechanical Data	3
	SMA Jack (female socket) to SMA Jack (Female socket)	Frequency range Impedance (Ohms) VSWR (Max.)	DC to 18 GHz 50 Ω 1.3	Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	Brass Gold PTFE Phosphor Bronze Gold 500 cycles



Adapter

N Between Adapters

N to SMA type

AD-NXESAH-001M	Overview RP-SMA Jack (male pin) to N Plug (male pin)	Electrical Data Frequency range Impedance VSWR (Max.)	DC to 6 GHz 50 Ω 1.3	Mechanical Dat Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	a Brass Ni PTFE Brass Gold 500 cycles
AD-NXESAF-001M	Overview SMA Jack (female socket) to N Plug (male pin)	Electrical Data Frequency range Impedance VSWR (Max.)	DC to 10 GHz 50 Ω 1.3	Mechanical Dat Body material Body Finish Dielectric Center Contact Center Finish Mating Cycles	a Brass Ni PTFE Phosphor Bronze Gold 500 cycles



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