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Huang Liang SMA Male to SMA Female Radius RA Adapter, Precision 18 GHz

SKU
ACC-HL-00075
MPN
101-R045.188

Description

The Huang Liang SMA Male to SMA Female Radius RA Adapter (Part Number: 101-R045.188) is a high-precision 50 Ω coaxial RF adapter operating up to 18 GHz. Designed with a radius right-angle body, it features free-hanging SMA male and SMA female interfaces, ensuring seamless compatibility. Constructed from 303 stainless steel with a passivated finish, it offers durability and corrosion resistance. The inner contacts are crafted from beryllium copper with gold plating, enhancing signal integrity. The adapter functions efficiently in extreme temperatures ranging from -65 °C to 165 °C. Compliant with ISO 9001 Quality Management and RoHS standards, this adapter meets stringent quality and environmental requirements. Ideal for applications in military, telecommunications, and aerospace industries, Huang Liang leverages over 30 years of RF technology expertise to deliver reliable and high-performance components.



Huang Liang

Huang Liang is a Taiwanese manufacturer of precision coaxial connectors, adapters and cable assemblies. The company provide solutions to different industries including military, telecommunications, and aerospace.

Over 30 years of experience in developing and designing RF products, Huang Liang has overcome many challenges, resulting in unmatched expertise in the field of RF technology. Huang Liang ...

RF Connector Interface

RF Interface	Body Shape	Mounting
SMA Male	Radius Right Angle	Free Hanging
SMA Female	Radius Right Angle	Free Hanging

RF Specification

Start Frequency
0 GHz
Stop Frequency
18 GHz
RF Operating Voltage
≥ 500 Vrms
Input Impedance
50 Ω
Inner Contact Resistance
≤ 6 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance

≤ 2 mΩ

VSWR Measurement

Frequency	VSWR	Insertion Loss
18000 MHz	≤ 1.25:1	0.3 dB

Physical Specification

Body Material

Stainless Steel (303)

Body Plating

Passivated

Insulator Material

PTFE / Teflon

Weight

4 g

Compliance/Certifications

ISO 9001 Quality Management

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RoHS

Contact Material

Beryllium Copper

Contact Plating

Gold

Min. Operating Temperature

-65 °C

Max. Operating Temperature

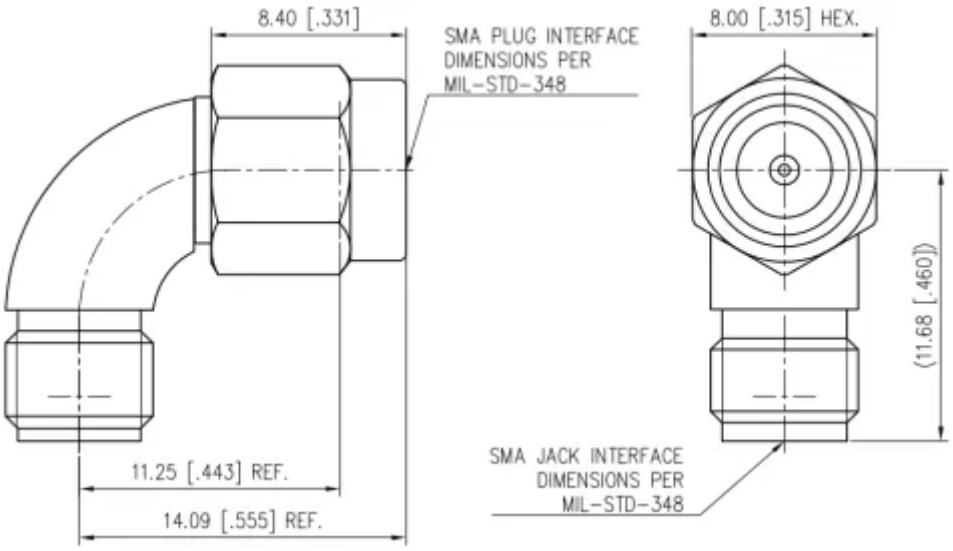
165 °C

Mating Cycles

> 500

Drawing

Image



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