

# 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  $\Omega$  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
<a href="#">SMA Male</a>	<a href="#">Radius Right Angle</a>	<a href="#">Free Hanging</a>
<a href="#">SMA Female</a>	<a href="#">Radius Right Angle</a>	<a href="#">Free Hanging</a>

## RF Specification

Start Frequency

0 GHz

Stop Frequency

18 GHz

RF Operating Voltage

$\geq 500$  Vrms

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 6$  m $\Omega$

Insulation Resistance

$\geq 5000$  m $\Omega$

Outer Contact Resistance

$\leq 2$  m $\Omega$

VSWR Measurement

**Frequency VSWR Insertion Loss**

18000 MHz  $\leq 1.25:1$  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](#)

[RoHS](#)

Contact Material

[Beryllium Copper](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-65 °C

Max. Operating Temperature

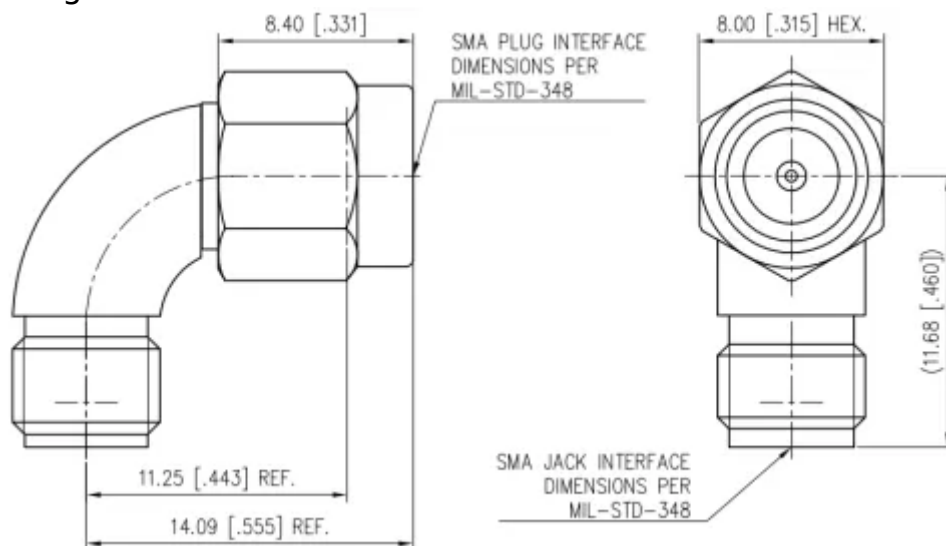
165 °C

Mating Cycles

> 500

Drawing

Image



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