

# 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	Input Impedance:	50
Stop Frequency:	18 GHz	Inner Contact Resistance:	$\leq 6 \text{ m}\Omega$
RF Operating Voltage:	$\geq 500 \text{ Vrms}$	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 2 \text{ m}\Omega$

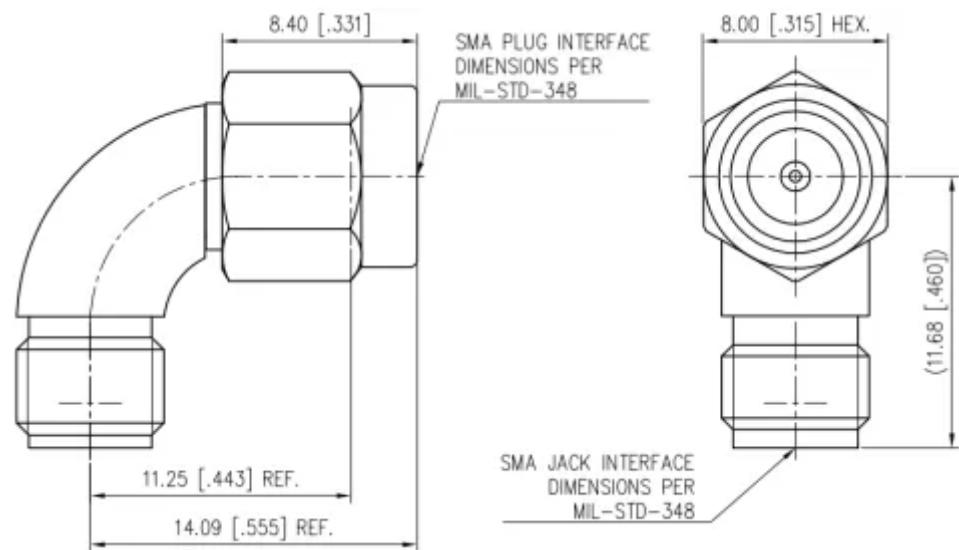
## VSWR Measurement

Frequency	VSWR	Insertion Loss
18000 MHz	$\leq 1.25:1$	0.3 dB

## Physical Specification

Body Material:	Stainless Steel (303)	Contact Material:	Beryllium Copper
Body Plating:	Passivated	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-65 °C
Weight:	4 g	Max. Operating Temperature:	165 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500
RoHS			

# Drawing



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