

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

SKU: ACC-HL-00076

MPN: 101-R046.188

## Description

The Huang Liang SMA Female to SMA Female Radius RA Adapter (Part Number: 101-R046.188) is a high-quality 50 Ω coaxial RF adapter designed for applications requiring precision up to 18 GHz. Manufactured in Taiwan, this adapter features a radius right-angle design with a free-hanging mounting mechanism, ensuring compatibility with SMA Male interfaces.

Constructed from Stainless Steel (303) with a passivated finish, it offers durability and resistance to corrosion. The inner contacts are made of Beryllium Copper with Gold plating for excellent conductivity and reliability. It operates efficiently within a wide temperature range of -65 °C to 165 °C, making it suitable for demanding environments.

Huang Liang adheres to ISO 9001 Quality Management standards and RoHS compliance, ensuring high standards of quality and safety. With over 30 years of experience in RF technology, Huang Liang serves diverse industries including military...

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## 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 Female	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:	$\leq 2 \text{ m}\Omega$

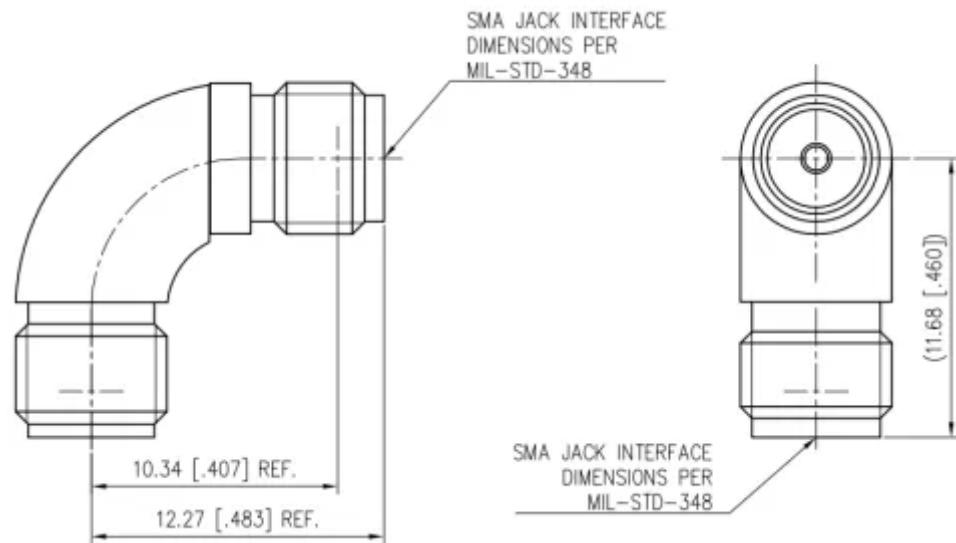
## VSWR Measurement

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
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	165 °C
RoHS		Mating Cycles:	> 500

# Drawing



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