

# Huang Liang SMA Male to SMP Female Adapter

SKU: ACC-HL-00070

MPN: 145-A045.111

## Description

The Huang Liang SMA Male to SMP Female Adapter (Part Number: 145-A045.111) is a 50 Ω coaxial RF Adapter designed for high-performance applications. This adapter features a straight SMA Male interface compatible with SMA Female connections, and a straight SMP Female interface compatible with SMP Male connections. It operates across a frequency range of 0 GHz to 40 GHz, making it suitable for a variety of RF applications.

Constructed from passivated stainless steel (303), the adapter ensures durability and resistance to corrosion. The inner contacts are made of beryllium copper with gold plating, providing excellent conductivity and signal integrity. The adapter performs reliably in extreme temperatures, from -65 °C to 165 °C.

Manufactured to ISO 9001 quality standards and compliant with RoHS, this adapter guarantees high quality and environmental responsibility. Ideal for use in military, telecommunications, and aerospace sectors, it...

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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 Male	Straight	Free Hanging
SMP Female	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	40 GHz	Inner Contact Resistance:	$\leq 6 \text{ m}\Omega$
RF Operating Voltage:	$\geq 335 \text{ Vrms}$	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 2 \text{ m}\Omega$

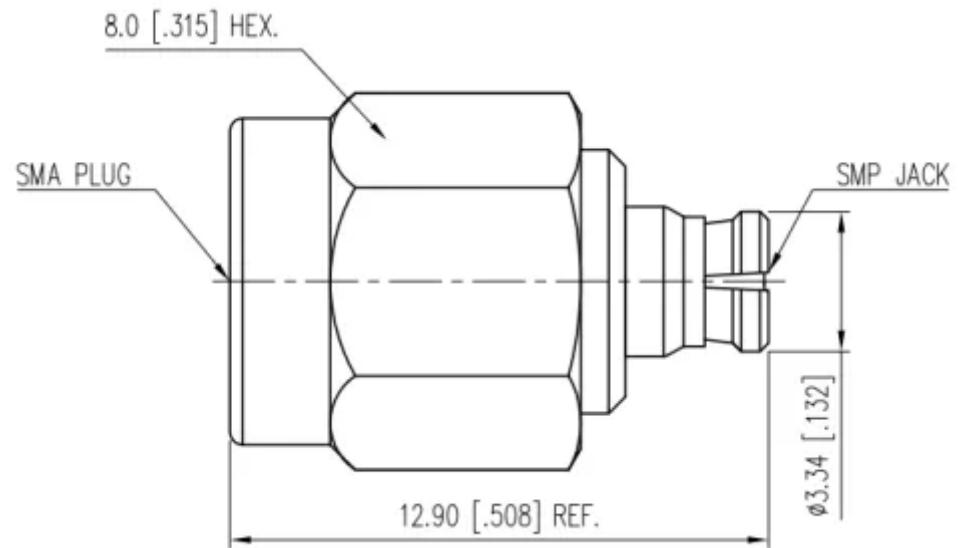
## VSWR Measurement

Frequency	VSWR	Insertion Loss
40000 MHz	$\leq 1.3:1$	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:	2.7 g	Max. Operating Temperature:	165 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500
RoHS			

## Drawing



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