

# Huang Liang 2.4 mm Female to SMA Female Adapter

SKU: ACC-HL-00030

MPN: ADU1-QF1-SMF1

## Description

The Huang Liang 2.4 mm Female to SMA Female Adapter (Part Number: ADU1-QF1-SMF1) is a high-quality 50  $\Omega$  coaxial RF adapter designed for seamless connectivity between 2.4 mm and SMA interfaces. This adapter features a straight body with a free-hanging mounting mechanism, making it compatible with 2.4 mm Male, 1.85 mm Male, and SMA Male connectors. It supports an operating frequency range from 0 GHz to 26.5 GHz.

Constructed from Stainless Steel (303) with a passivated finish, the adapter ensures durability and corrosion resistance. The inner contacts are made of Beryllium Copper with gold plating, offering excellent conductivity and signal integrity. It operates effectively within a temperature range of -65 °C to 150 °C.

The adapter complies with ISO 9001 Quality Management standards and is RoHS compliant, ensuring reliability and environmental safety. Huang Liang, a Taiwanese manufacturer with over 30 years of expertise in RF technology...

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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
2.4 mm Female	Straight	Free Hanging
SMA Female	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	26.5 GHz	Inner Contact Resistance:	$\leq 6 \text{ m}\Omega$
RF Operating Voltage:	$\geq 350 \text{ Vrms}$	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 2 \text{ m}\Omega$

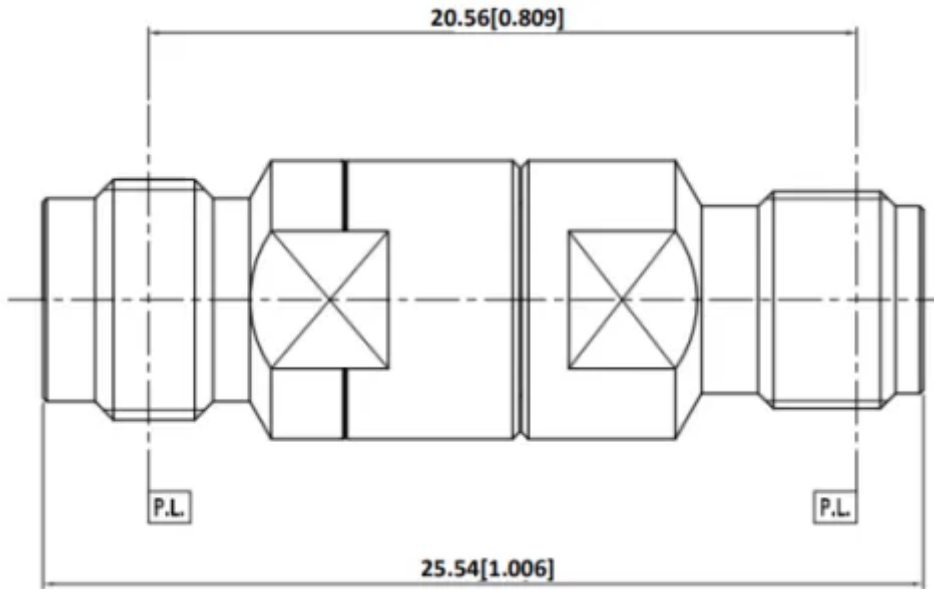
## VSWR Measurement

Frequency	VSWR	Insertion Loss
26500 MHz	$\leq 1.2:1$	0.25 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:	150 °C
RoHS		Mating Cycles:	> 500

# Drawing



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