

# Huang Liang 1.85 mm Female to SMA Male Adapter

SKU: ACC-HL-00014

MPN: ADU1-VF1-SMM1

## Description

The Huang Liang 1.85 mm Female to SMA Male Adapter (ADU1-VF1-SMM1) is a high-quality 50  $\Omega$  coaxial RF adapter. It features a 1.85 mm Female interface and a SMA Male interface, both with a straight body shape and free-hanging mounting mechanism. The 1.85 mm Female interface is compatible with 1.85 mm Male and 2.4 mm Male interfaces, while the SMA Male interface is compatible with SMA Female interfaces.

Operating within a frequency range of 0 GHz to 26.5 GHz, the adapter is constructed from durable stainless steel (303) with a passivated finish, and its inner contacts are made of beryllium copper with gold plating. It functions reliably in temperatures from -40 °C to 105 °C.

Manufactured by Huang Liang, a reputable Taiwanese company with over 30 years of experience in RF technology, the adapter meets ISO 9001 Quality Management standards and complies with RoHS regulations. Ideal for applications in the military, telecommunications, and...

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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
1.85 mm Female	Straight	Free Hanging
SMA Male	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:	$\geq 250 \text{ Vrms}$	Insulation Resistance:	$\geq 3000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 2 \text{ m}\Omega$

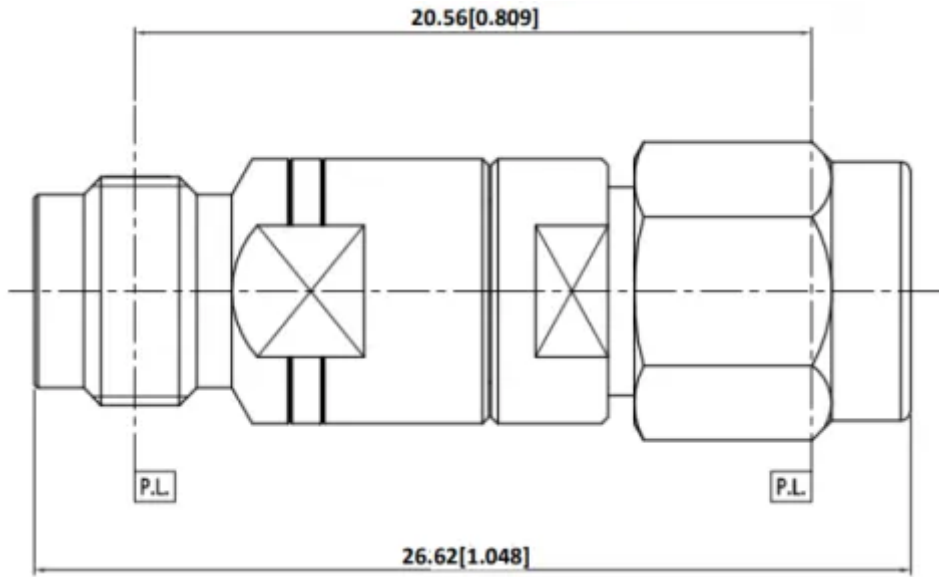
## VSWR Measurement

Frequency	VSWR	Insertion Loss
26500 MHz	$\leq 1.2:1$	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:	-40 °C
Weight:	6.9 g	Max. Operating Temperature:	105 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500
RoHS			

# Drawing



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