

# Huang Liang 1.85 mm Female to SMA Female Adapter

SKU: ACC-HL-00013

MPN: ADU1-VF1-SMF1

## Description

The Huang Liang ADU1-VF1-SMF1 is a high-quality 1.85 mm Female to SMA Female Adapter designed for precision RF applications. This 50  $\Omega$  coaxial adapter features a 1.85 mm Female interface and a SMA Female interface, both with straight body shapes and free-hanging mounting mechanisms. It is compatible with 1.85 mm Male, 2.4 mm Male, and SMA Male interfaces.

Operating within a frequency range of 0 GHz to 26.5 GHz, this adapter is built from durable Stainless Steel (303) with a passivated finish. The inner contacts are made of Beryllium Copper with Gold plating, ensuring optimal signal integrity. It performs reliably in temperatures ranging from -40°C to 105°C.

Manufactured by Huang Liang, a renowned Taiwanese company with over 30 years of expertise in RF technology, the ADU1-VF1-SMF1 adheres to ISO 9001 Quality Management standards and complies with RoHS regulations. This adapter is ideal for military, telecommunications, and aerospace...

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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 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:	$\geq 250 \text{ Vrms}$	Insulation Resistance:	$\geq 3000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 2 \text{ m}\Omega$

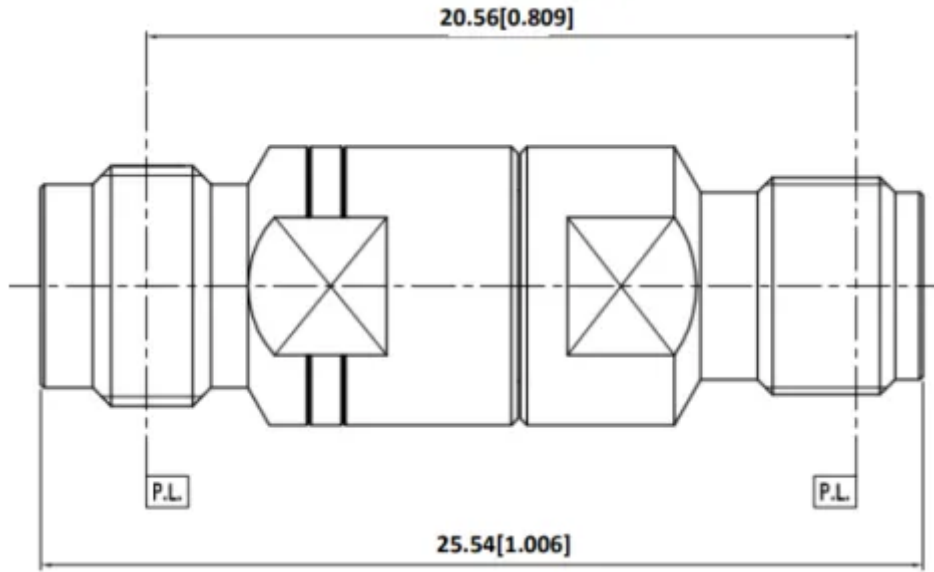
## VSWR Measurement

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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