

# Huang Liang 1.85 mm Male to 3.5 mm Female Adapter

SKU: ACC-HL-00005

MPN: ADU1-VM1-35F1

## Description

The Huang Liang 1.85 mm Male to 3.5 mm Female Adapter (Part No: ADU1-VM1-35F1) is a high-quality, 50  $\Omega$  coaxial RF adapter. Designed for versatility, it features a 1.85 mm Male interface that is compatible with 1.85 mm Female, 2.4 mm Female connectors, and a 3.5 mm Female interface compatible with 3.5 mm Male, SMA Male connectors. Both interfaces have a straight, free-hanging design.

Operating within a frequency range of 0 GHz to 34 GHz, this adapter is suitable for various high-frequency applications. It is constructed from durable Stainless Steel (303) with a passivated finish for enhanced corrosion resistance. The inner contacts are made of Beryllium Copper with Gold plating to ensure excellent electrical conductivity and reliability.

The adapter can function in a temperature range from -40 °C to 105 °C, making it ideal for harsh environments. It complies with ISO 9001 Quality Management and RoHS standards, ensuring high-quality 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 Male	Straight	Free Hanging
3.5 mm Female	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	34 GHz	Inner Contact Resistance:	$\leq 6 \text{ m}\Omega$
RF Operating Voltage:	$\geq 325 \text{ Vrms}$	Insulation Resistance:	$\geq 3000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 2 \text{ m}\Omega$

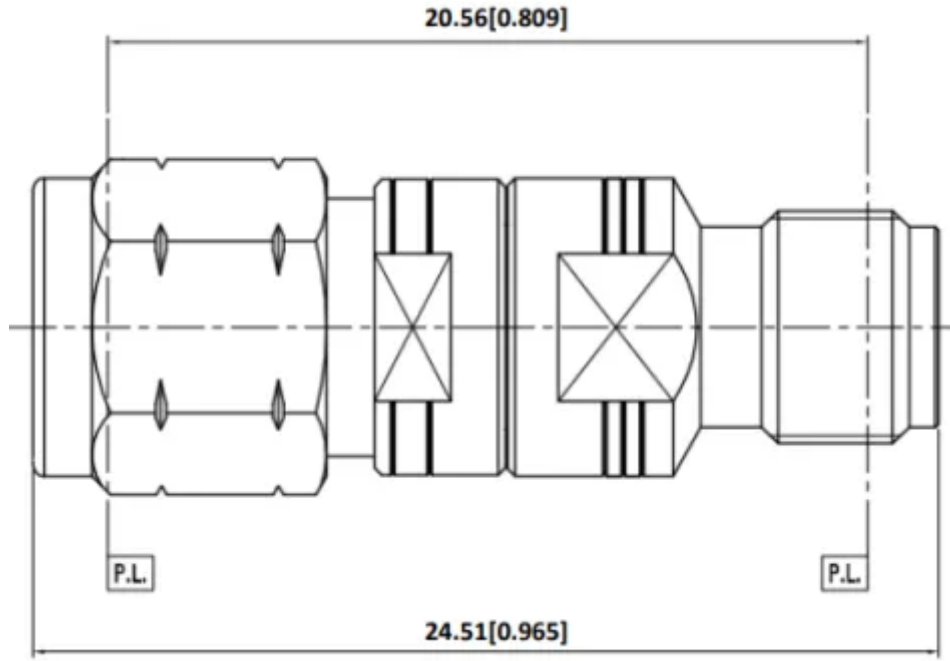
## VSWR Measurement

Frequency	VSWR	Insertion Loss
34000 MHz	$\leq 1.2:1$	0.35 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:	6.4 g	Max. Operating Temperature:	105 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500
RoHS			

# Drawing



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