

# Huang Liang 3.5 mm Male to 3.5 mm Female Adapter

SKU: ACC-HL-00052

MPN: ADU1-35M1-35F1

## Description

The Huang Liang ADU1-35M1-35F1 is a 50  $\Omega$  coaxial RF adapter featuring a 3.5 mm male to 3.5 mm female interface. Designed with straight body shapes and free-hanging mounting, it is compatible with both 3.5 mm and SMA interfaces. The adapter operates within a frequency range of 0 GHz to 34 GHz, making it suitable for high-performance applications.

Constructed from stainless steel (303) with a passivated finish, the adapter ensures durability and corrosion resistance. Its inner contacts are crafted from beryllium copper with gold plating, ensuring reliable conductivity and performance. The adapter performs efficiently in temperatures ranging from -40 °C to 105 °C.

Manufactured to ISO 9001 quality management standards and RoHS compliant, this adapter meets rigorous quality and environmental criteria. Ideal for use in various industries, including military, telecommunications, and aerospace, the Huang Liang ADU1-35M1-35F1 provides a dependable...

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

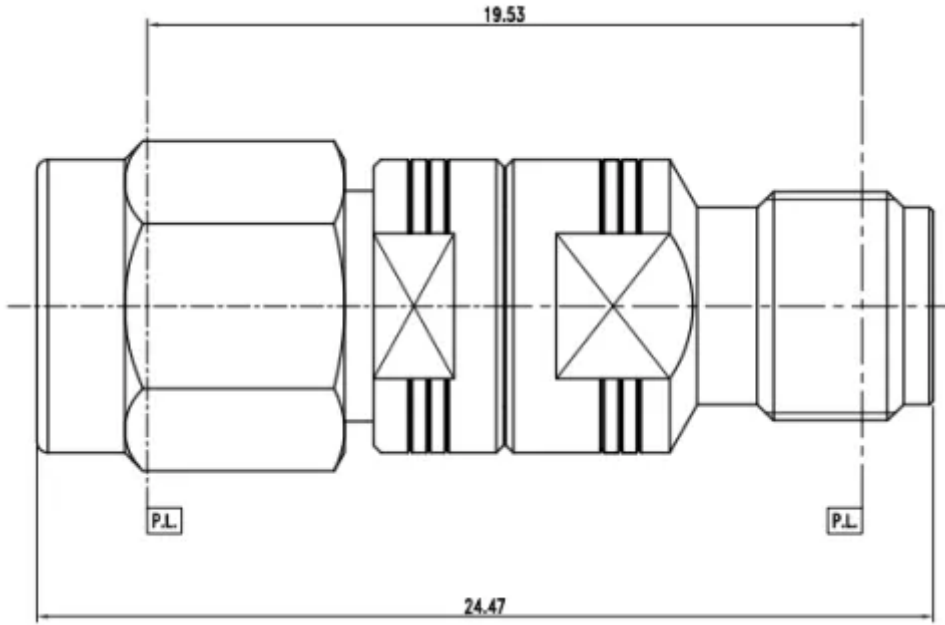
## VSWR Measurement

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 g	Max. Operating Temperature:	105 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500
RoHS			

# Drawing



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