

# Huang Liang 3.5 mm Female to SMA Female Adapter

SKU: ACC-HL-00054

MPN: ADU1-35F1-SMF1

## Description

The Huang Liang 3.5 mm Female to SMA Female Adapter (ADU1-35F1-SMF1) is a high-quality 50 Ω coaxial RF adapter. It features a 3.5 mm Female interface and SMA Female interface, both with straight body shapes and free-hanging mounting mechanisms. The adapter is compatible with 3.5 mm Male and SMA Male interfaces, offering versatility in various applications.

Operating across a frequency range of 0 GHz to 26.5 GHz, this adapter ensures reliable performance in high-frequency environments. It is constructed from Stainless Steel (303) with a passivated finish for durability, while the inner contacts are made of Beryllium Copper with gold plating for excellent conductivity.

Designed to withstand temperatures from -40 °C to 105 °C, the adapter is suitable for diverse environmental conditions. It meets ISO 9001 Quality Management standards and complies with RoHS regulations, ensuring high manufacturing quality and safety.

Huang Liang, a Taiwanese...

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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 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:	$\leq 2 \text{ m}\Omega$

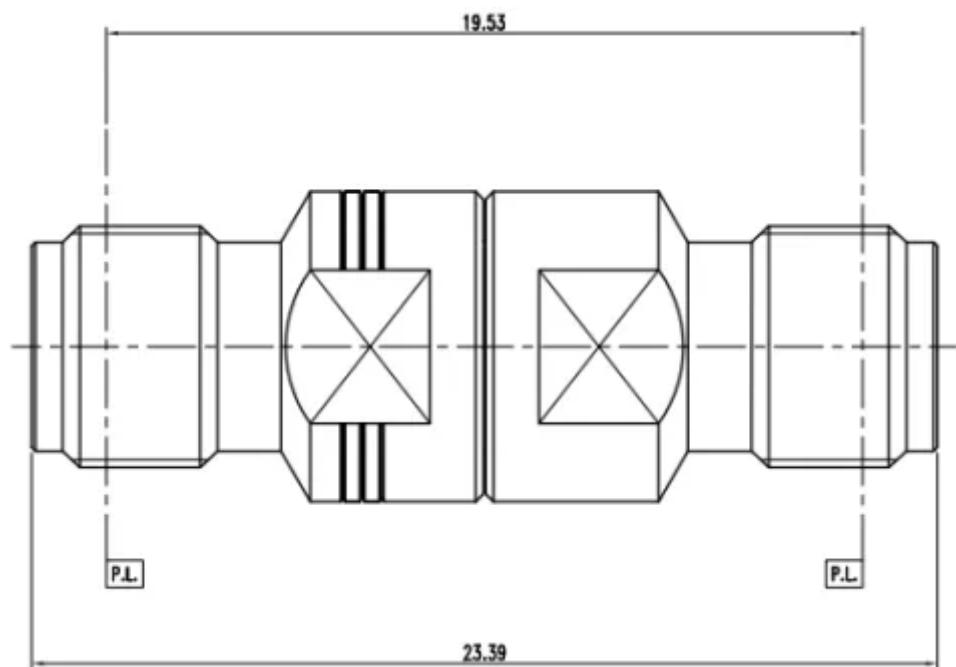
## VSWR Measurement

Frequency	VSWR	Insertion Loss
26500 MHz	$\leq 1.2:1$	0.31 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
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	105 °C
RoHS		Mating Cycles:	> 500

# Drawing



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