

# Huang Liang 2.92 mm Male to 3.5 mm Female Adapter

SKU: ACC-HL-00039

MPN: ADU1-KM1-35F1

## Description

The Huang Liang 2.92 mm Male to 3.5 mm Female Adapter (Part Number: ADU1-KM1-35F1) is a 50  $\Omega$  coaxial RF adapter designed for high performance. It features a 2.92 mm male interface, compatible with 2.92 mm female connections, and a 3.5 mm female interface, compatible with 3.5 mm male and SMA male connections. Both connectors have a straight body shape and free-hanging mounting mechanism.

This adapter operates across a frequency range of 0 to 34 GHz, ensuring broad application suitability. Constructed from durable 303 stainless steel with a passivated finish, it offers robust mechanical strength. The inner contacts are made of beryllium copper with gold plating for superior conductivity.

The adapter performs reliably in extreme temperatures, operating from -65 °C to 150 °C. It adheres to ISO 9001 quality management standards and complies with RoHS regulations, ensuring high-quality and eco-friendly manufacturing.

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
2.92 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:	≤ 3 mΩ
RF Operating Voltage:	≥ 350 Vrms	Insulation Resistance:	≥ 5000 mΩ
		Outer Contact Resistance:	≤ 2 mΩ

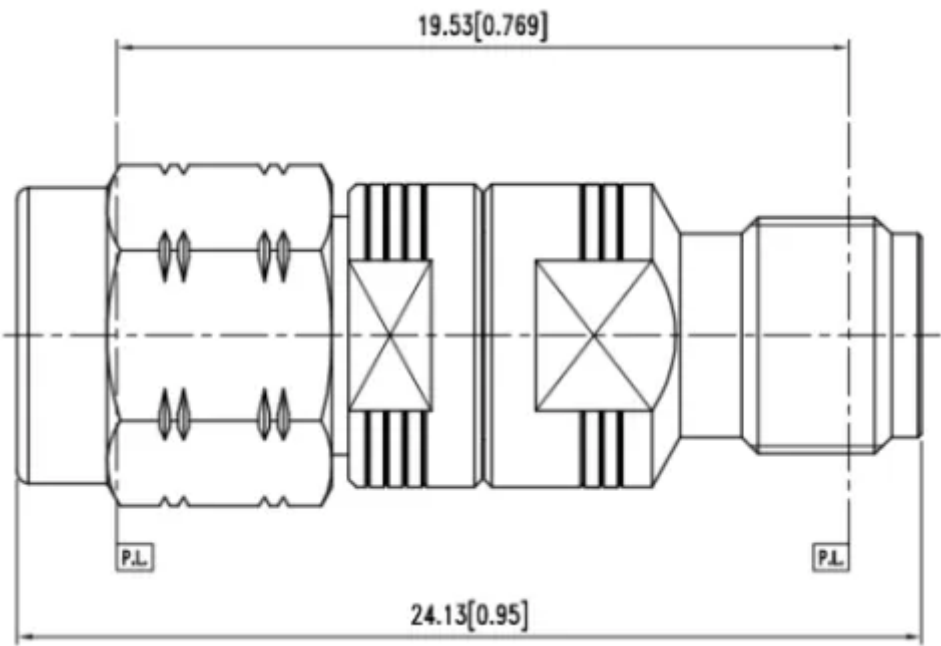
### VSWR Measurement

Frequency	VSWR	Insertion Loss
34000 MHz	≤ 1.2:1	0.25 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:	-65 °C
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	150 °C
RoHS		Mating Cycles:	> 500

Drawing



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