

# Huang Liang 2.92 mm Female to 3.5 mm Male Adapter

SKU: ACC-HL-00045

MPN: ADU1-KF1-35M1

## Description

The Huang Liang 2.92 mm Female to 3.5 mm Male Adapter (Part Number: ADU1-KF1-35M1) is a high-quality 50  $\Omega$  coaxial RF adapter designed for seamless connectivity. It features a 2.92 mm Female interface and a 3.5 mm Male interface, both with a straight body shape and free-hanging mounting mechanism. This adapter is compatible with 2.92 mm Male, 3.5 mm Female, and SMA Female interfaces.

Operating within a frequency range of 0 GHz to 34 GHz, this adapter ensures reliable performance across a wide spectrum. It is constructed from Stainless Steel (303) with a passivated finish for enhanced durability. The inner contacts are made of Beryllium Copper with gold plating for optimal conductivity and corrosion resistance.

With an operating temperature range of -65 °C to 150 °C, the adapter is suitable for various demanding environments. It meets ISO 9001 Quality Management standards and is RoHS compliant, ensuring high quality and environmental safety...

[Read More](#)



## 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 Female	Straight	Free Hanging
3.5 mm Male	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	34 GHz	Inner Contact Resistance:	$\leq 3 \text{ m}\Omega$
RF Operating Voltage:	$\geq 350 \text{ Vrms}$	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 2 \text{ m}\Omega$

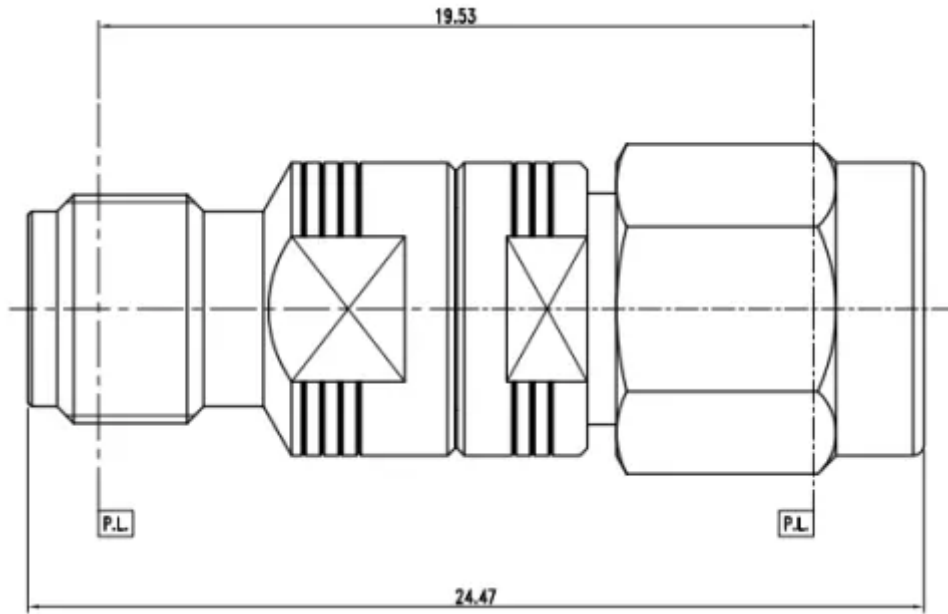
## VSWR Measurement

Frequency	VSWR	Insertion Loss
34000 MHz	$\leq 1.2:1$	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



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

