

# Huang Liang 1.85 mm Female to 3.5 mm Male Adapter

SKU: ACC-HL-00016

MPN: ADU1-VF1-35M1

## Description

The Huang Liang 1.85 mm Female to 3.5 mm Male Adapter (Part Number: ADU1-VF1-35M1) is a precision 50  $\Omega$  RF coaxial adapter. This adapter features a 1.85 mm Female interface and a 3.5 mm Male interface, both with straight body shapes and free-hanging mounting mechanisms. It is compatible with 1.85 mm Male, 2.4 mm Male, 3.5 mm Female, and SMA Female interfaces.

The adapter operates within a frequency range of 0 GHz to 34 GHz, ensuring reliable performance across a broad spectrum. The housing is constructed from Stainless Steel (303) with a passivated finish for enhanced durability, while the inner contacts are made of Beryllium Copper with Gold plating for superior conductivity. It functions efficiently in temperatures ranging from -40 °C to 105 °C.

Manufactured to comply with ISO 9001 Quality Management standards and RoHS regulations, the adapter guarantees high quality and environmental safety.

Huang Liang, based in Taiwan, is renowned for...

[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
1.85 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:	≤ 6 mΩ
RF Operating Voltage:	≥ 250 Vrms	Insulation Resistance:	≥ 3000 mΩ
		Outer Contact Resistance:	≤ 2 mΩ

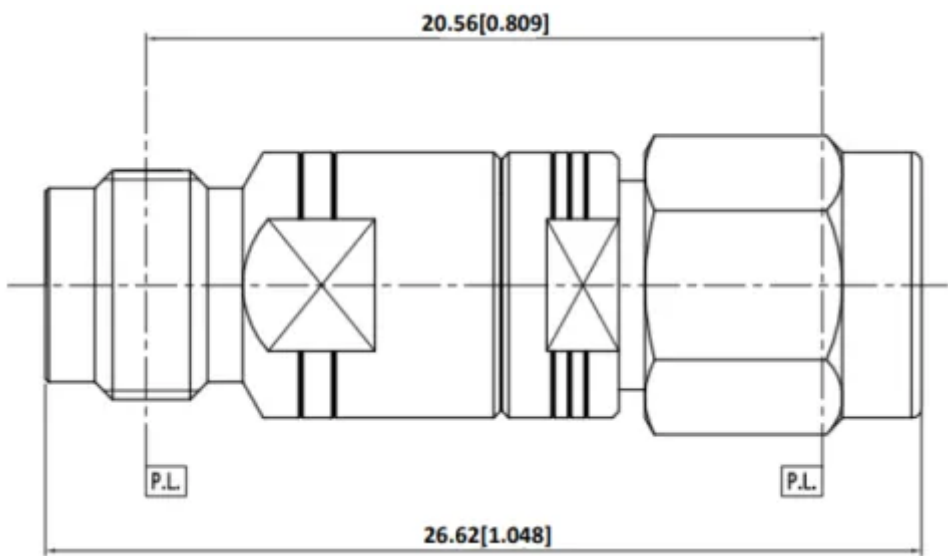
### VSWR Measurement

Frequency	VSWR	Insertion Loss
34000 MHz	≤ 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:	6.8 g	Max. Operating Temperature:	105 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500
RoHS			

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.

