

# Huang Liang 1.85 mm Female to 2.4 mm Male Adapter

SKU: ACC-HL-00020

MPN: ADU2-VF1-QM1

## Description

The Huang Liang 1.85 mm Female to 2.4 mm Male Adapter (Part Number: ADU2-VF1-QM1) is a high-quality 50  $\Omega$  coaxial RF adapter designed for precision connectivity. The adapter features a 1.85 mm Female straight interface and a 2.4 mm Male straight interface, both with free-hanging mounting mechanisms, making it compatible with 1.85 mm Male and 2.4 mm Male connectors.

This adapter operates over a broad frequency range from 0 GHz to 50 GHz, ensuring robust performance in various applications. It is constructed from durable Stainless Steel (303) with a passivated finish, while the inner contacts are made of Beryllium Copper with Gold plating for excellent conductivity and corrosion resistance. The adapter is designed to function reliably in temperatures ranging from -40 °C to 105 °C.

Manufactured in compliance with ISO 9001 Quality Management standards and RoHS regulations, this adapter guarantees high quality and environmental safety. With...

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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
1.85 mm Female	Straight	Free Hanging
2.4 mm Male	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	50 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:	$\leq 2 \text{ m}\Omega$

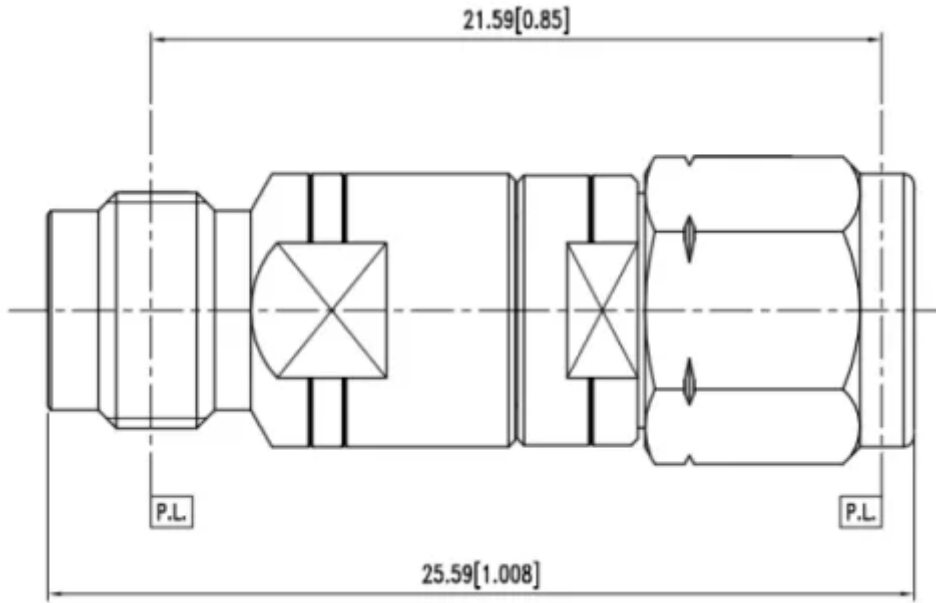
## VSWR Measurement

Frequency	VSWR	Insertion Loss
50000 MHz	$\leq 1.25:1$	0.42 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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