

# Huang Liang 2.4 mm Female to 3.5 mm Male Adapter

SKU: ACC-HL-00033

MPN: ADU1-QF1-35M1

## Description

The Huang Liang ADU1-QF1-35M1 Adapter is a high-quality 2.4 mm Female to 3.5 mm Male coaxial RF adapter designed for versatile connectivity. This 50  $\Omega$  adapter supports frequencies from 0 GHz to 34 GHz, making it suitable for a wide range of RF applications, including telecommunications, military, and aerospace industries.

Featuring a straight body shape and a free-hanging mounting mechanism, this adapter ensures compatibility with 2.4 mm Male, 1.85 mm Male, 3.5 mm Female, and SMA Female interfaces. Constructed from durable Stainless Steel (303) with a passivated finish, it offers excellent resistance to corrosion. The inner contacts are made from Beryllium Copper and are gold-plated for superior conductivity.

Engineered to operate in temperatures ranging from -40 °C to 105 °C, the ADU1-QF1-35M1 adapter is built to withstand harsh environmental conditions. Manufactured in compliance with ISO 9001 Quality Management standards and RoHS...

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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
2.4 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:	$\leq 6 \text{ m}\Omega$
RF Operating Voltage:	$\geq 250 \text{ Vrms}$	Insulation Resistance:	$\geq 3000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 2 \text{ m}\Omega$

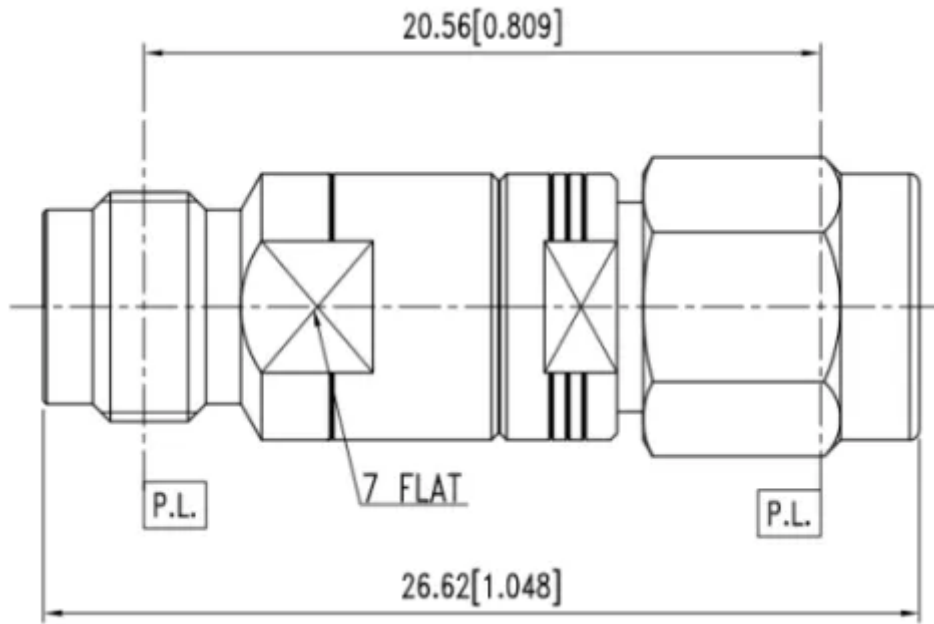
## VSWR Measurement

Frequency	VSWR	Insertion Loss
34000 MHz	$\leq 1.2:1$	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
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	105 °C
RoHS		Mating Cycles:	> 500

# Drawing



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