

# Huang Liang 2.4 mm Female to 3.5 mm Female Adapter

SKU: ACC-HL-00032

MPN: ADU1-QF1-35F1

## Description

The Huang Liang 2.4 mm Female to 3.5 mm Female Adapter (Part Number: ADU1-QF1-35F1) is a high-quality 50 Ω coaxial RF adapter. Designed for versatility, it features a 2.4 mm female interface and a 3.5 mm female interface, both with straight body shapes and free-hanging mounting mechanisms. These interfaces are compatible with 2.4 mm male, 1.85 mm male, 3.5 mm male, and SMA male connectors.

Operating within a frequency range of 0 GHz to 34 GHz, this adapter ensures reliable performance across a broad spectrum. Constructed from passivated stainless steel (303) and featuring beryllium copper inner contacts with gold plating, it offers durability and excellent conductivity. The adapter functions effectively in temperature ranges from -40 °C to 105 °C.

This product complies with ISO 9001 Quality Management and RoHS standards, guaranteeing superior quality and environmental safety. Ideal for applications in military, telecommunications, and...

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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 Female | 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: | $\leq 2 \text{ m}\Omega$    |

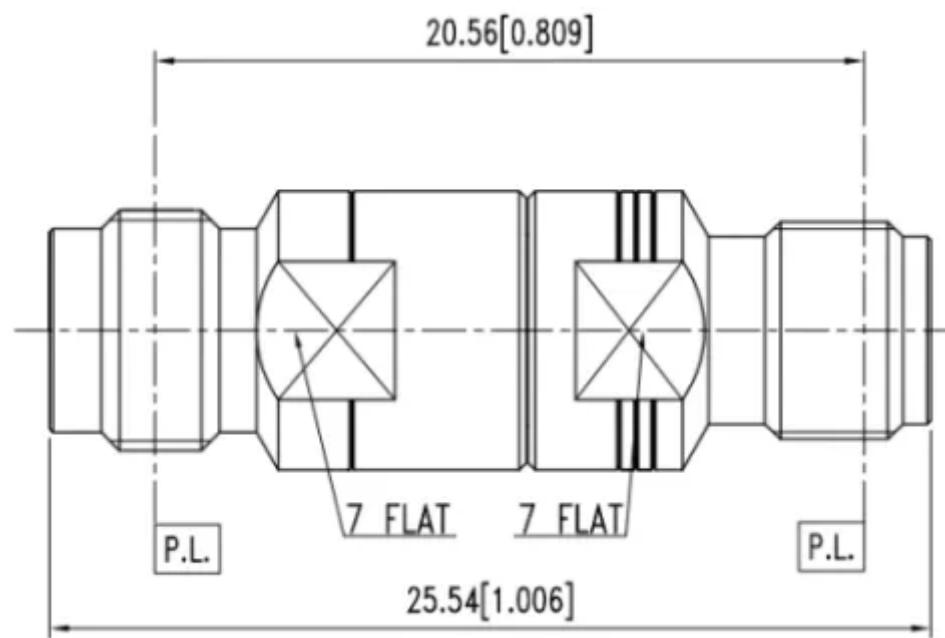
## VSWR Measurement

| 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           |
| Weight:                    | 6.6 g                       | Max. Operating Temperature: | 105 °C           |
| Compliance/Certifications: | ISO 9001 Quality Management | Mating Cycles:              | > 500            |
| RoHS                       |                             |                             |                  |

# Drawing



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