

# Huang Liang 1.85 mm Female to 2.4 mm Female Adapter

SKU: ACC-HL-00019  
MPN: ADU2-VF1-QF1

## Description

The Huang Liang 1.85 mm Female to 2.4 mm Female Adapter (Part Number: ADU2-VF1-QF1) is a high-quality, 50  $\Omega$  coaxial RF adapter from Taiwan-based Huang Liang. This adapter features a 1.85 mm Female interface and a 2.4 mm Female interface, both with a straight body shape and free-hanging mounting mechanism. It supports 1.85 mm and 2.4 mm Male interfaces, making it versatile for various applications.

Operating within a frequency range of 0 GHz to 50 GHz, this adapter is constructed from Stainless Steel (303) with a passivated finish for durability. The inner contacts are made of Beryllium Copper, plated with Gold, ensuring excellent conductivity and corrosion resistance. It can function effectively in temperatures ranging from -40 °C to 105 °C.

Compliant with ISO 9001 Quality Management standards and RoHS, the adapter guarantees reliability and safety. Huang Liang, with over 30 years of expertise in RF technology, provides precision coaxial...

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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 Female  | Straight   | Free Hanging |

## RF Specification

|                       |            |                           |           |
|-----------------------|------------|---------------------------|-----------|
| Start Frequency:      | 0 GHz      | Input Impedance:          | 50        |
| Stop Frequency:       | 50 GHz     | Inner Contact Resistance: | ≤ 6 mΩ    |
| RF Operating Voltage: | ≥ 250 Vrms | Insulation Resistance:    | ≥ 3000 mΩ |
|                       |            | Outer Contact Resistance: | ≤ 2 mΩ    |

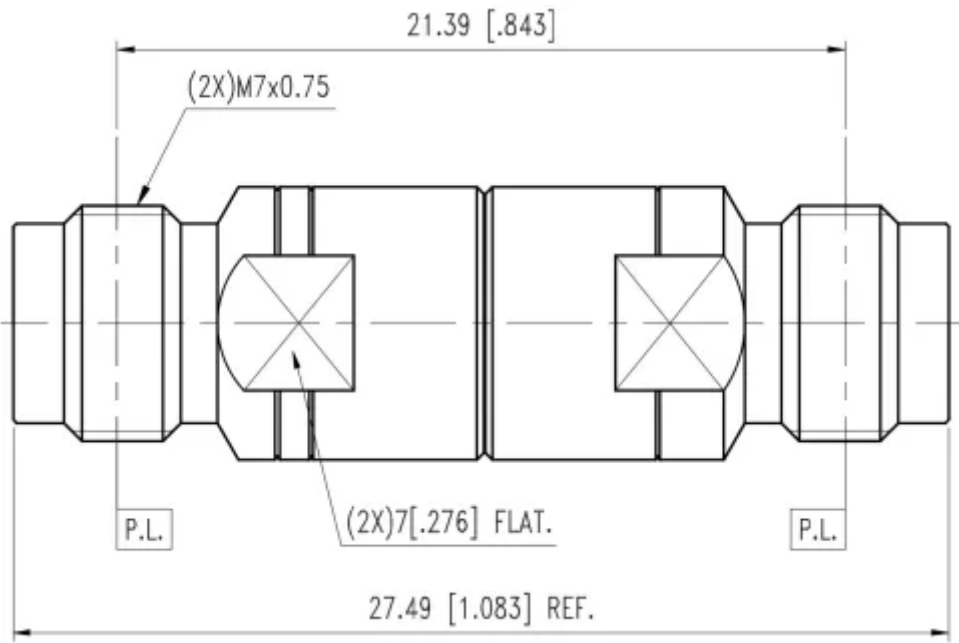
### VSWR Measurement

| Frequency | VSWR     | Insertion Loss |
|-----------|----------|----------------|
| 50000 MHz | ≤ 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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