



# Huang Liang 1.85 mm Male to 1.85 mm Female Adapter

SKU: ACC-HL-00011 MPN: ADU2-VM1-VF1

#### Description

The Huang Liang 1.85 mm Male to 1.85 mm Female Adapter (Part Number: ADU2-VM1-VF1) is a high-quality 50  $\Omega$  coaxial RF adapter. It features a straight body shape and a free-hanging mounting mechanism, compatible with 1.85 mm Female and 2.4 mm Female interfaces. The adapter operates within a frequency range of 0 GHz to 65 GHz, providing reliable performance across a wide spectrum.

Constructed from Stainless Steel (303) with a passivated finish, the adapter ensures durability and resistance to corrosion. The inner contacts are made of Beryllium Copper with Gold plating, enhancing conductivity and signal integrity. It operates efficiently in temperatures ranging from -40 °C to 105 °C, making it suitable for various environmental conditions.

Certified to ISO 9001 Quality Management standards and RoHS compliant, this adapter guarantees high-quality manufacturing and adherence to environmental regulations. Ideal for applications in military...

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 Male | Straight   | Free Hanging |
| 1.85 mm Male | Straight   | Free Hanging |

## **RF** Specification

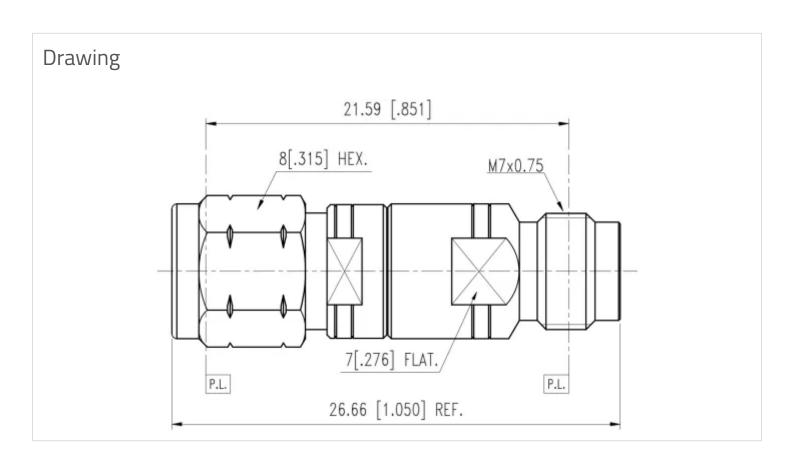
| Start Frequency:      | 0 GHz      | Input Impedance:          | 50        |
|-----------------------|------------|---------------------------|-----------|
| Stop Frequency:       | 65 GHz     | Inner Contact Resistance: | ≤ 6 mΩ    |
| RF Operating Voltage: | ≥ 250 Vrms | Insulation Resistance:    | ≥ 3000 mΩ |
|                       |            | Outer Contact Resistance: | ≤ 2 mΩ    |

#### **VSWR** Measurement

| Frequency | VSWR     | Insertion Loss |
|-----------|----------|----------------|
| 65000 MHz | ≤ 1.25:1 | 0.48 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:                    | 6.3 g                       | Max. Operating Temperature: | 105 °C           |
| Compliance/Certifications: | ISO 9001 Quality Management | Mating Cycles:              | > 500            |
| RoHS                       | ,                           |                             |                  |



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.

