

Huang Liang 1.85 mm Male to 2.4 mm Female Adapter

SKU: ACC-HL-00009
 MPN: ADU2-VM1-QF1

Description

The Huang Liang 1.85 mm Male to 2.4 mm Female Adapter (ADU2-VM1-QF1) is a high-performance 50 Ω coaxial RF adapter. Designed for versatility, it features a 1.85 mm male interface and a 2.4 mm female interface, both with straight bodies and free-hanging mounts. This adapter supports connections with 1.85 mm female, 2.4 mm female, 2.4 mm male, and 1.85 mm male interfaces, offering extensive compatibility.

Operating within a frequency range of 0 GHz to 50 GHz, this adapter ensures reliable performance across a wide spectrum. It is constructed from stainless steel (303) with a passivated finish, providing robust durability. The inner contacts are made of beryllium copper with gold plating, ensuring excellent conductivity and longevity. It functions efficiently in temperatures ranging from -40 °C to 105 °C.

Manufactured in compliance with ISO 9001 Quality Management standards and RoHS directives, this adapter meets rigorous quality and...

[Read More](#)

RF Connector Interface



| RF Interface | Body Shape | Mounting |
|---------------|------------|--------------|
| 1.85 mm Male | Straight | Free Hanging |
| 2.4 mm Female | Straight | Free Hanging |

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 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 |

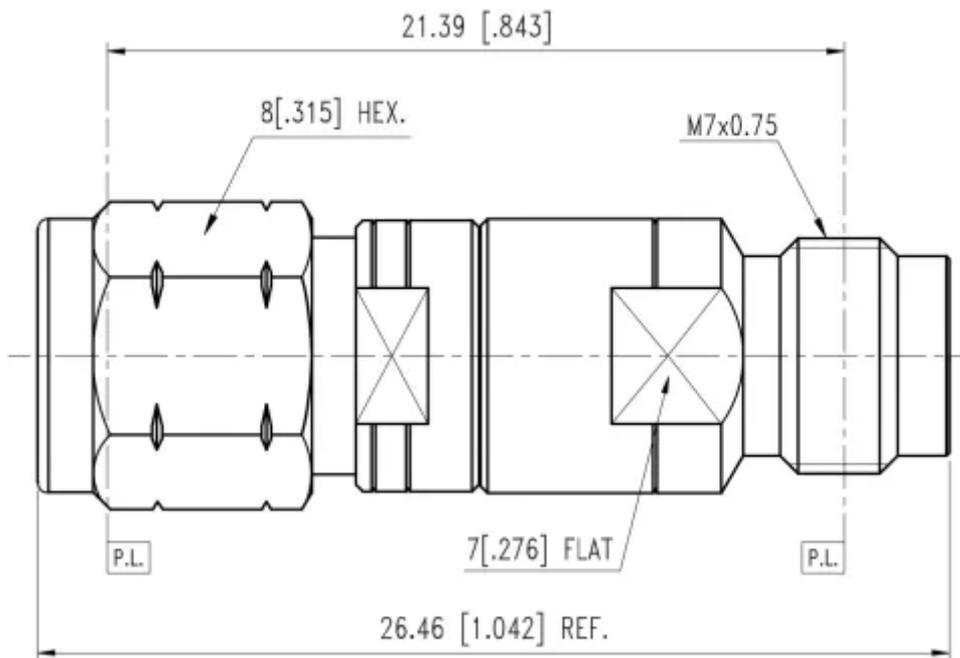
VSWR Measurement

| 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



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.

