

Huang Liang 1.85 mm Male to 2.92 mm Female Adapter

SKU: ACC-HL-00007

MPN: ADU1-VM1-KF1

Description

The Huang Liang 1.85 mm Male to 2.92 mm Female Adapter (ADU1-VM1-KF1) is a high-quality 50 Ω coaxial RF adapter designed for robust performance. This adapter features a 1.85 mm Male interface with a straight body and free-hanging mounting, compatible with 1.85 mm Female and 2.4 mm Female interfaces. The 2.92 mm Female interface also has a straight body and free-hanging mounting, compatible with 2.92 mm Male interfaces. It operates across a frequency range of 0 GHz to 40 GHz, ensuring versatile application in various RF environments.

Constructed from Stainless Steel (303) with a passivated finish for enhanced durability, the adapter's inner contacts are made from Beryllium Copper with gold plating, providing reliable conductivity and longevity. It performs efficiently in temperature ranges from -40 °C to 105 °C. The product adheres to ISO 9001 Quality Management standards and is RoHS compliant, ensuring both quality and environmental...

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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 Male | Straight | Free Hanging |
| 2.92 mm Female | Straight | Free Hanging |

RF Specification

| | | | |
|-----------------------|-------------------------|---------------------------|-----------------------------|
| Start Frequency: | 0 GHz | Input Impedance: | 50 |
| Stop Frequency: | 40 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: | $\leq 2 \text{ m}\Omega$ |

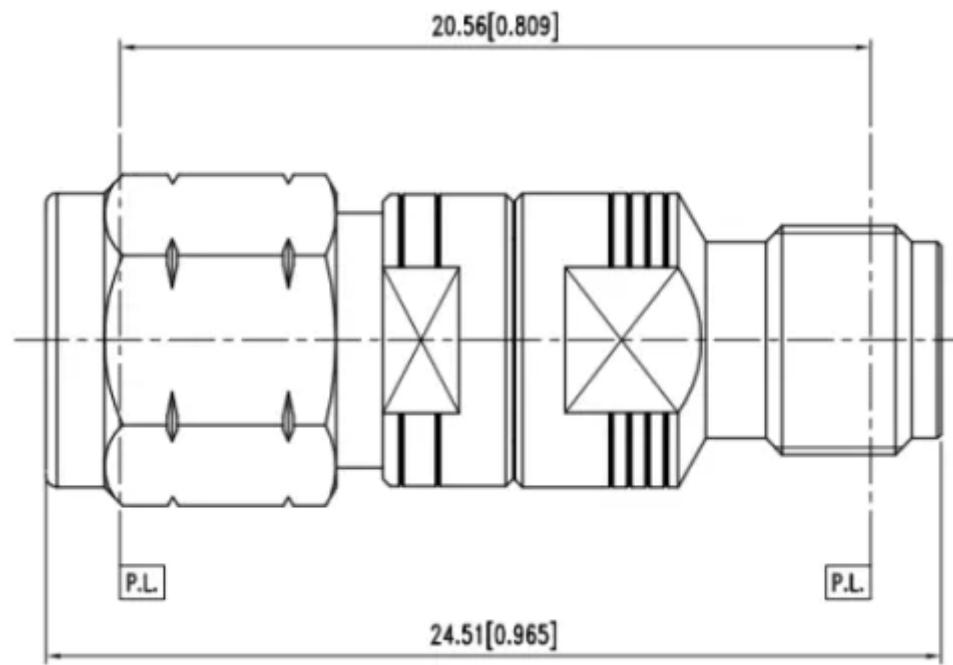
VSWR Measurement

| Frequency | VSWR | Insertion Loss |
|-----------|--------------|----------------|
| 40000 MHz | $\leq 1.2:1$ | 0.38 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: | 5.5 g | Max. Operating Temperature: | 105 °C |
| Compliance/Certifications: | ISO 9001 Quality Management | Mating Cycles: | > 500 |
| RoHS | | | |

Drawing



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