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## **Huang Liang 1.85 mm Female to 2.4 mm Male Adapter**

SKU  
ACC-HL-00020  
MPN  
ADU2-VF1-QM1

### **Description**

The Huang Liang 1.85 mm Female to 2.4 mm Male Adapter (Part Number: ADU2-VF1-QM1) is a high-quality 50  $\Omega$  coaxial RF adapter designed for precision connectivity. The adapter features a 1.85 mm Female straight interface and a 2.4 mm Male straight interface, both with free-hanging mounting mechanisms, making it compatible with 1.85 mm Male and 2.4 mm Male connectors.

This adapter operates over a broad frequency range from 0 GHz to 50 GHz, ensuring robust performance in various applications. It is constructed from durable Stainless Steel (303) with a passivated finish, while the inner contacts are made of Beryllium Copper with Gold plating for excellent conductivity and corrosion resistance. The adapter is designed to function reliably in temperatures ranging from -40 °C to 105 °C.

Manufactured in compliance with ISO 9001 Quality Management standards and RoHS regulations, this adapter guarantees high quality and environmental safety. With...

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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
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<a href="#">1.85 mm Female</a>	<a href="#">Straight</a>	<a href="#">Free Hanging</a>
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<a href="#">2.4 mm Male</a>	<a href="#">Straight</a>	<a href="#">Free Hanging</a>
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## RF Specification

Start Frequency

0 GHz

Stop Frequency

50 GHz

RF Operating Voltage

$\geq 250$  Vrms

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 6$  m $\Omega$

Insulation Resistance

$\geq 3000 \text{ m}\Omega$

Outer Contact Resistance

$\leq 2 \text{ m}\Omega$

VSWR Measurement

**Frequency VSWR Insertion Loss**

50000 MHz  $\leq 1.25:1$  0.42 dB

## Physical Specification

Body Material

[Stainless Steel \(303\)](#)

Body Plating

[Passivated](#)

Insulator Material

[PTFE / Teflon](#)

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Contact Material

[Beryllium Copper](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

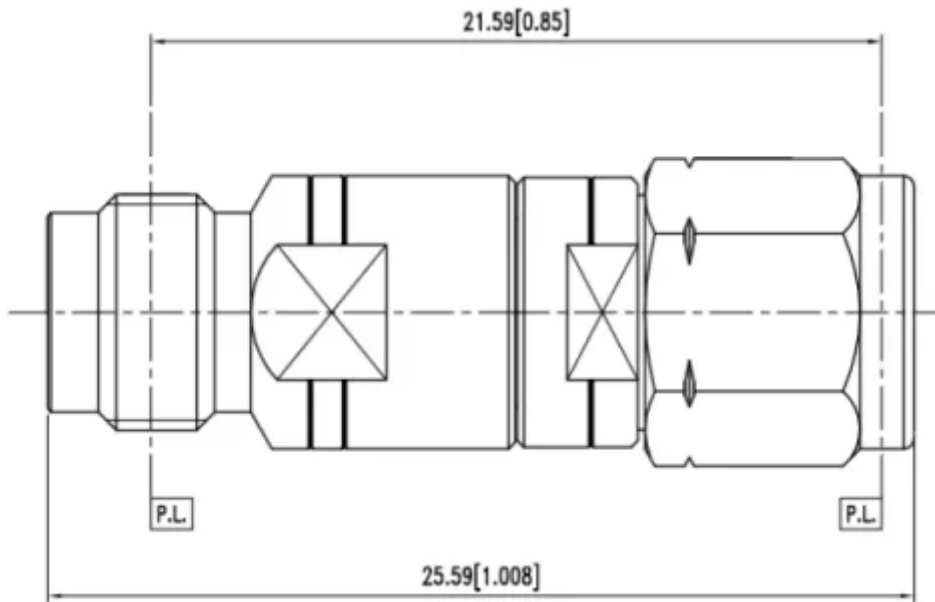
105 °C

Mating Cycles

> 500

Drawing

Image



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