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Huang Liang 2.4 mm Male to 2.92 mm Female Adapter

SKU
ACC-HL-00026
MPN
ADU1-QM1-KF1

Description

The Huang Liang ADU1-QM1-KF1 is a 50 Ω coaxial RF adapter featuring a 2.4 mm male to 2.92 mm female interface. This versatile adapter supports a frequency range from 0 GHz to 40 GHz, making it ideal for high-frequency applications across various industries including telecommunications, military, and aerospace.

The adapter is constructed with high-quality materials: the body is made of passivated stainless steel (303), and the inner contacts are crafted from gold-plated beryllium copper. These materials ensure durability, corrosion resistance, and superior signal integrity. It operates efficiently in temperatures ranging from -40 °C to 105 °C.

The 2.4 mm male interface is compatible with 2.4 mm male and 1.85 mm female interfaces, while the 2.92 mm female interface is compatible with 2.92 mm male interfaces. Both interfaces have a straight body shape and use a free-hanging mounting mechanism, providing flexible and reliable connections.

Manu...

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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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2.4 mm Male	Straight	Free Hanging
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2.92 mm Female	Straight	Free Hanging
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RF Specification

Start Frequency

0 GHz

Stop Frequency

40 GHz

RF Operating Voltage

≥ 250 Vrms

Input Impedance

50 Ω

Inner Contact Resistance

≤ 6 m Ω

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 \(303\)](#)

Body Plating

[Passivated](#)

Insulator Material

[PTFE / Teflon](#)

Weight

6 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

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[RoHS](#)

Contact Material

[Beryllium Copper](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

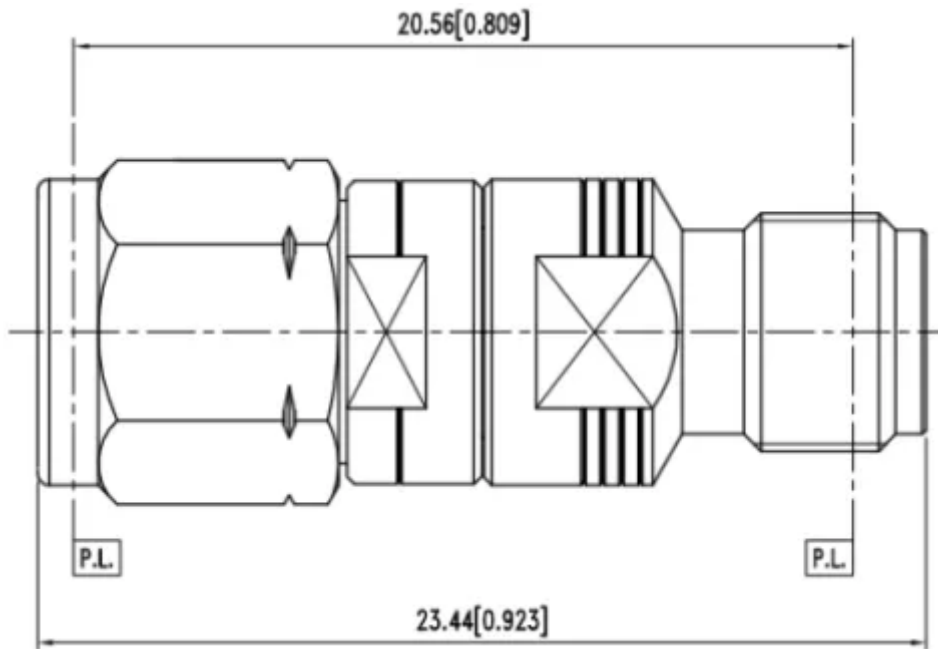
105 °C

Mating Cycles

> 500

Drawing

Image



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