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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
TECHNOLOGIES CO., LTD.

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

RF Specification

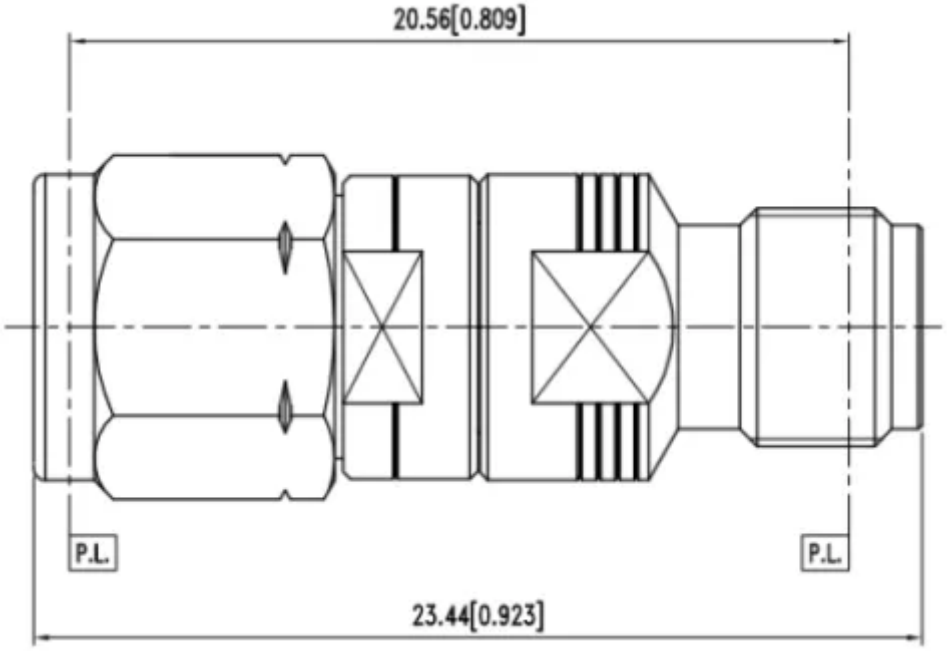
Start Frequency
0 GHz
Stop Frequency
40 GHz
RF Operating Voltage
≥ 250 Vrms
Input Impedance
50 Ω
Inner Contact Resistance
≤ 6 mΩ
Insulation Resistance
≥ 3000 mΩ
Outer Contact Resistance

≤ 2 mΩ
VSWR Measurement

Frequency	VSWR	Insertion Loss
40000 MHz	≤ 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
,
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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