

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.



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RF Connector Interface

RF Interface	Body Shape	Mounting
2.4 mm Male	Straight	Free Hanging
2.92 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.

RF Specification

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 ...

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

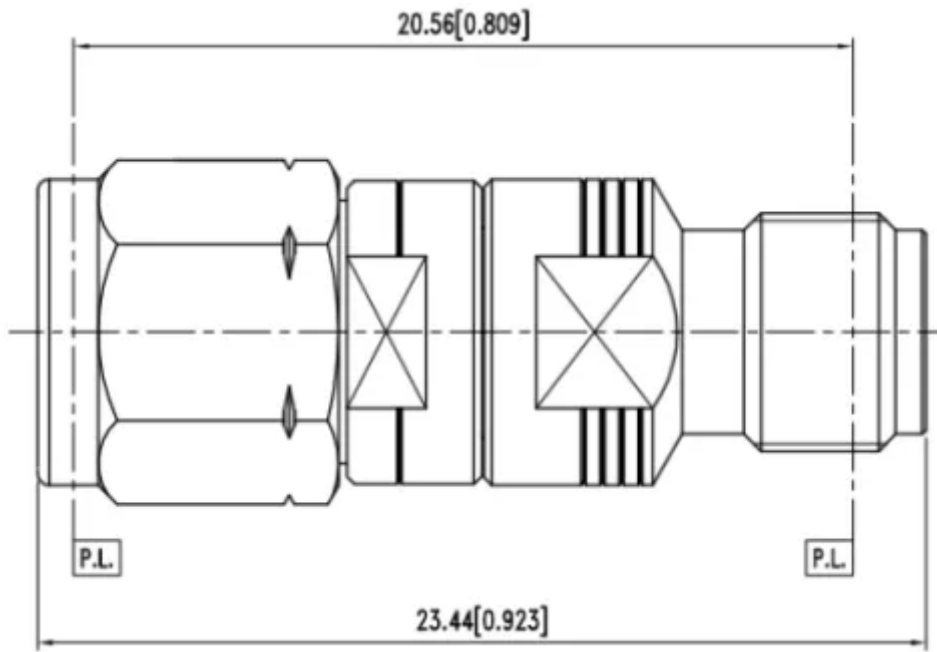
Frequency	VSWR	Insertion Loss
40000 MHz	$\leq 1.2:1$	0.38 dB

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:	6 g	Max. Operating Temperature:	105 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500

RoHS

Drawing



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