

Huang Liang 2.92 mm Female to SMA Female Adapter

SKU: ACC-HL-00046
 MPN: ADU1-KF1-SMF1

Description

The Huang Liang ADU1-KF1-SMF1 Adapter is a high-quality, 50 Ω coaxial RF adapter designed for seamless connectivity. It features a 2.92 mm Female to SMA Female interface, both with straight body shapes and free-hanging mounting mechanisms, compatible with their respective male interfaces. The adapter operates across a frequency range of 0 GHz to 26.5 GHz, making it versatile for various RF applications.

Constructed from stainless steel (303) with a passivated finish, the adapter ensures durability and resistance to corrosion. The inner contacts are made of beryllium copper with gold plating, providing excellent conductivity and reliability. It performs reliably in temperatures ranging from -65 °C to 150 °C, ensuring stable operation under challenging conditions.

This RF adapter meets ISO 9001 quality standards and complies with RoHS regulations, ensuring high manufacturing quality and environmental responsibility. Ideal for applications...

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[RF Connector Interface](#)



| RF Interface | Body Shape | Mounting |
|----------------|------------|--------------|
| 2.92 mm Female | Straight | Free Hanging |
| SMA Female | Straight | Free Hanging |

RF Specification



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 ...

| | | | |
|-----------------------|-------------------------|---------------------------|-----------------------------|
| Start Frequency: | 0 GHz | Input Impedance: | 50 |
| Stop Frequency: | 26.5 GHz | Inner Contact Resistance: | $\leq 6 \text{ m}\Omega$ |
| RF Operating Voltage: | $\geq 350 \text{ Vrms}$ | Insulation Resistance: | $\geq 5000 \text{ m}\Omega$ |
| | | Outer Contact Resistance: | $\leq 2 \text{ m}\Omega$ |

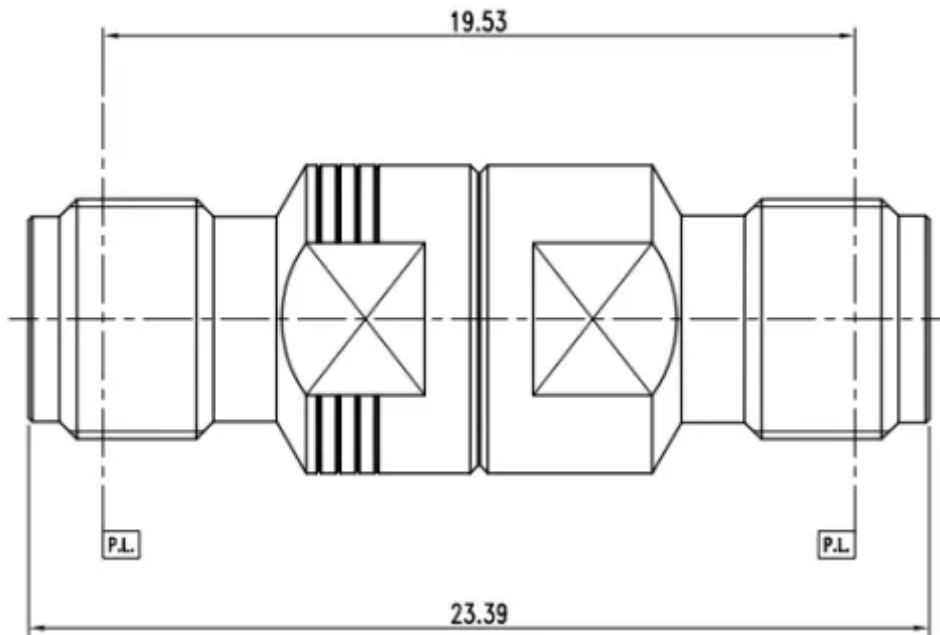
VSWR Measurement

| Frequency | VSWR | Insertion Loss |
|-----------|--------------|----------------|
| 26500 MHz | $\leq 1.2:1$ | 0.25 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: | $-65 \text{ }^\circ\text{C}$ |
| Compliance/Certifications: | ISO 9001 Quality Management | Max. Operating Temperature: | $150 \text{ }^\circ\text{C}$ |
| RoHS | | Mating Cycles: | > 500 |

Drawing



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