

Huang Liang 2.92 mm Male to SMA Female Adapter

SKU: ACC-HL-00037

MPN: ADU1-KM1-SMF1

Description

The Huang Liang 2.92 mm Male to SMA Female Adapter (Part Number: ADU1-KM1-SMF1) is a 50 Ω coaxial RF adapter designed for robust performance. Featuring a 2.92 mm Male interface and a SMA Female interface, both with a straight body and free hanging mounting mechanism, this adapter ensures compatibility with corresponding 2.92 mm Female and SMA Male connectors. It operates efficiently across a wide frequency range from 0 GHz to 26.5 GHz.

Constructed from Stainless Steel (303) with a passivated finish, the adapter delivers durability, while its Beryllium Copper inner contacts with Gold plating ensure excellent conductivity and reliability. It performs reliably in harsh environments with an operating temperature range of -65 °C to 150 °C. This product is manufactured in compliance with ISO 9001 Quality Management standards and is RoHS compliant, reflecting its high quality and safety standards.

Ideal for applications in military...

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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 |
|--------------|------------|--------------|
| 2.92 mm Male | Straight | Free Hanging |
| SMA Female | Straight | Free Hanging |

RF Specification

| | | | |
|-----------------------|------------|---------------------------|-----------|
| Start Frequency: | 0 GHz | Input Impedance: | 50 |
| Stop Frequency: | 26.5 GHz | Inner Contact Resistance: | ≤ 6 mΩ |
| RF Operating Voltage: | ≥ 350 Vrms | Insulation Resistance: | ≥ 5000 mΩ |
| | | Outer Contact Resistance: | ≤ 2 mΩ |

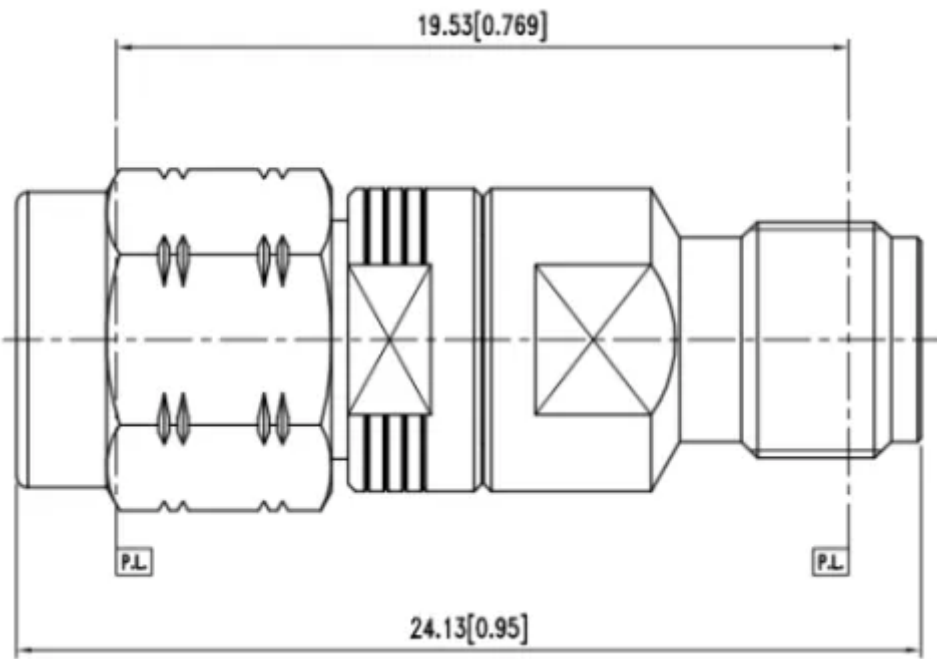
VSWR Measurement

| Frequency | VSWR | Insertion Loss |
|-----------|---------|----------------|
| 26500 MHz | ≤ 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 °C |
| Compliance/Certifications: | ISO 9001 Quality Management | Max. Operating Temperature: | 150 °C |
| RoHS | | Mating Cycles: | > 500 |

Drawing



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