

Huang Liang 3.5 mm Female to SMA Male Adapter

SKU: ACC-HL-00055

MPN: ADU1-35F1-SMM1

Description

The Huang Liang 3.5 mm Female to SMA Male Adapter (Part Number: ADU1-35F1-SMM1) is a high-quality, 50 Ω coaxial RF adapter suitable for various applications. It features a 3.5 mm Female straight body interface compatible with 3.5 mm Male and SMA Male connectors, and a SMA Male straight body interface compatible with SMA Female connectors. The adapter operates across a frequency range of 0 GHz to 26.5 GHz and is designed for free hanging mounting.

Constructed from stainless steel (303) with a passivated finish and gold-plated beryllium copper inner contacts, the adapter ensures durability and excellent conductivity. It functions efficiently within a temperature range of -40 °C to 105 °C and meets ISO 9001 Quality Management and RoHS standards, guaranteeing reliability and compliance.

Manufactured by Huang Liang, a renowned Taiwanese company with over 30 years of expertise in RF technology, this adapter is ideal for use 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 |
|---------------|------------|--------------|
| 3.5 mm Female | Straight | Free Hanging |
| SMA Male | 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: | ≥ 250 Vrms | Insulation Resistance: | ≥ 3000 mΩ |
| | | Outer Contact Resistance: | ≤ 2 mΩ |

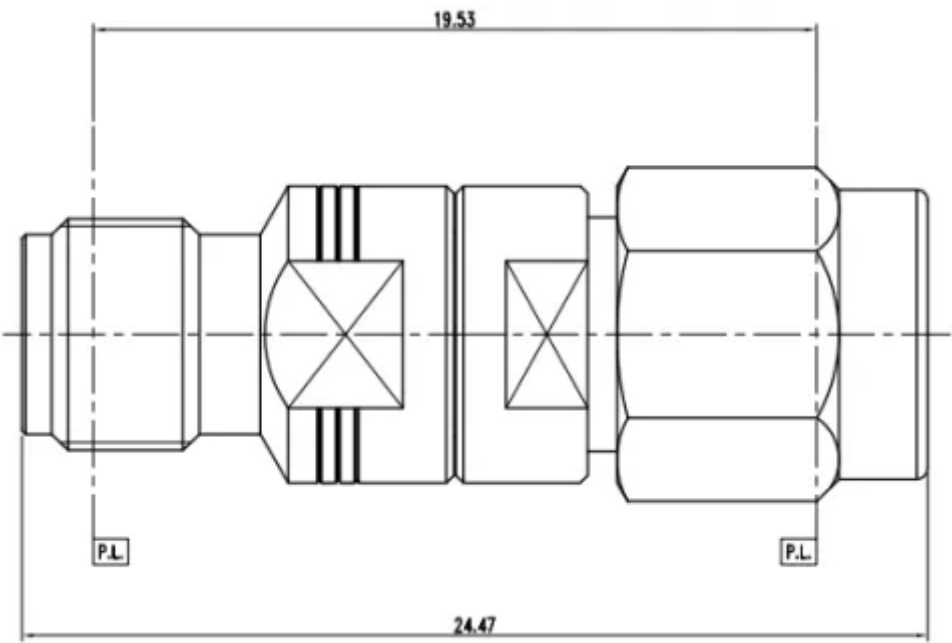
VSWR Measurement

| Frequency | VSWR | Insertion Loss |
|-----------|---------|----------------|
| 26500 MHz | ≤ 1.2:1 | 0.3 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: | 7 g | Max. Operating Temperature: | 105 °C |
| Compliance/Certifications: | ISO 9001 Quality Management | Mating Cycles: | > 500 |
| RoHS | | | |

Drawing



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