

Huang Liang 3.5 mm Male to SMA Male Adapter

SKU: ACC-HL-00051

MPN: ADU1-35M1-SMM1

Description

The Huang Liang 3.5 mm Male to SMA Male Adapter (Part Number: ADU1-35M1-SMM1) is a high-quality 50 Ω coaxial RF adapter designed for demanding applications. It features a 3.5 mm Male interface and an SMA Male interface, both with straight body shapes and free-hanging mounting mechanisms. This adapter is compatible with 3.5 mm Female and SMA Female interfaces and supports an operating frequency range from 0 GHz to 26.5 GHz, making it suitable for various high-frequency 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 signal integrity. The adapter operates efficiently within a temperature range of -40 °C to 105 °C.

Manufactured to meet ISO 9001 Quality Management standards and RoHS compliance, this adapter is ideal for use in military...

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RF Connector Interface



| RF Interface | Body Shape | Mounting |
|--------------|------------|--------------|
| 3.5 mm Male | Straight | Free Hanging |
| SMA Male | 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: | $\geq 3000 \text{ m}\Omega$ |
| | | Outer Contact Resistance: | $\leq 2 \text{ m}\Omega$ |

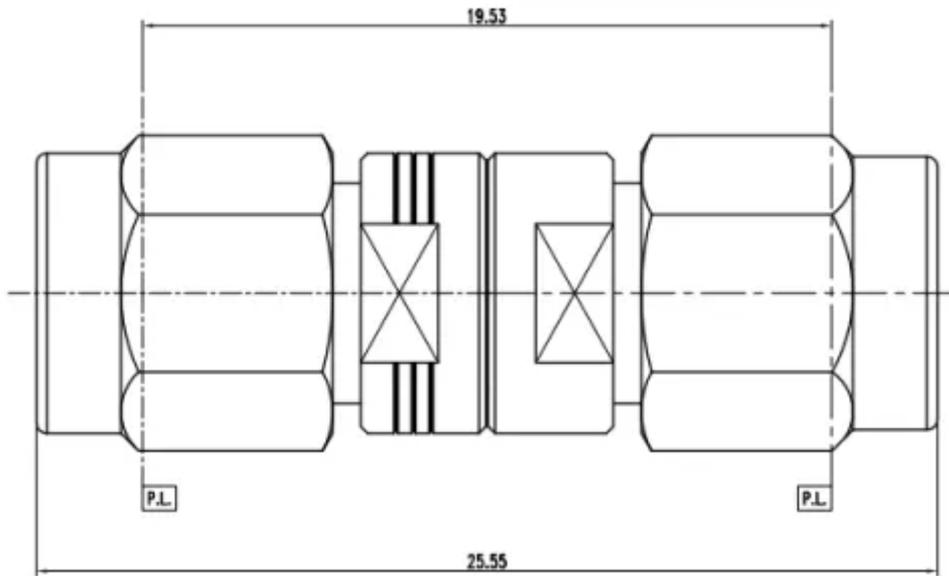
VSWR Measurement

| Frequency | VSWR | Insertion Loss |
|-----------|--------------|----------------|
| 26500 MHz | $\leq 1.2:1$ | 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: | $-40 \text{ }^\circ\text{C}$ |
| Compliance/Certifications: | ISO 9001 Quality Management | Max. Operating Temperature: | $105 \text{ }^\circ\text{C}$ |
| RoHS | | Mating Cycles: | > 500 |

Drawing



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