

# Huang Liang 1.85 mm Female to SMA Male Adapter

SKU: ACC-HL-00014

MPN: ADU1-VF1-SMM1

## Description

The Huang Liang 1.85 mm Female to SMA Male Adapter (ADU1-VF1-SMM1) is a high-quality 50  $\Omega$  coaxial RF adapter. It features a 1.85 mm Female interface and a SMA Male interface, both with a straight body shape and free-hanging mounting mechanism. The 1.85 mm Female interface is compatible with 1.85 mm Male and 2.4 mm Male interfaces, while the SMA Male interface is compatible with SMA Female interfaces.

Operating within a frequency range of 0 GHz to 26.5 GHz, the adapter is constructed from durable stainless steel (303) with a passivated finish, and its inner contacts are made of beryllium copper with gold plating. It functions reliably in temperatures from -40 °C to 105 °C.

Manufactured by Huang Liang, a reputable Taiwanese company with over 30 years of experience in RF technology, the adapter meets ISO 9001 Quality Management standards and complies with RoHS regulations. Ideal for applications in the military, telecommunications, and...

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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     |
|----------------|------------|--------------|
| 1.85 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    |

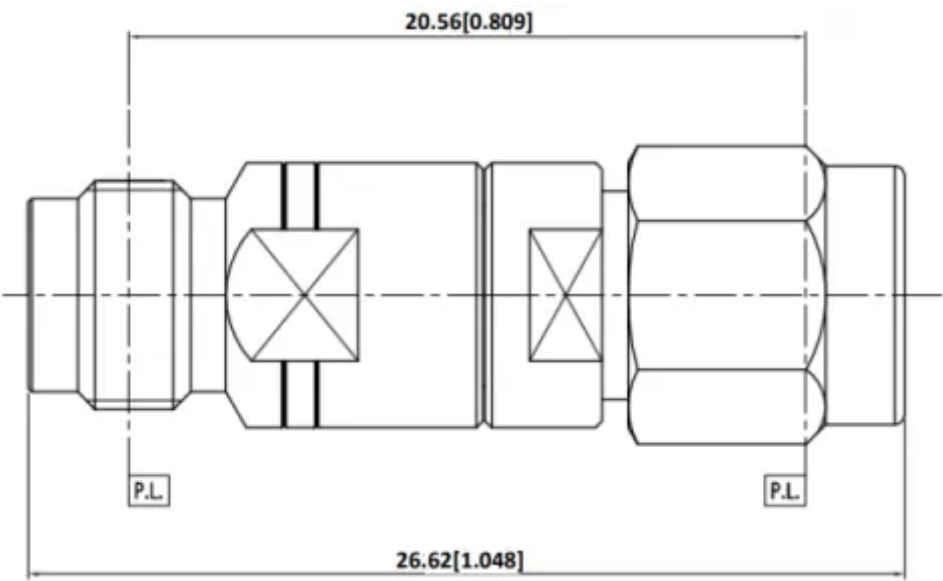
### VSWR Measurement

| 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:                    | 6.9 g                       | Max. Operating Temperature: | 105 °C           |
| Compliance/Certifications: | ISO 9001 Quality Management | Mating Cycles:              | > 500            |
| RoHS                       |                             |                             |                  |

Drawing



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