

# Huang Liang 2.92 mm Male to SMA Male Adapter

SKU: ACC-HL-00038

MPN: ADU1-KM1-SMM1

## Description

The Huang Liang 2.92 mm Male to SMA Male Adapter (ADU1-KM1-SMM1) is a high-quality 50 Ω coaxial RF adapter suited for various applications. It features a 2.92 mm Male interface and an SMA Male interface, both with straight body shapes and free-hanging mounting mechanisms. This adapter is compatible with 2.92 mm Female and SMA Female interfaces, respectively.

Designed for a wide frequency range from 0 GHz to 26.5 GHz, the adapter ensures reliable performance across diverse RF applications. Constructed from Stainless Steel (303) with a passivated finish, it offers durability and corrosion resistance. The inner contacts are made from Beryllium Copper with Gold plating, enhancing signal integrity and conductivity.

Operating within a temperature range of -65 °C to 150 °C, this adapter is versatile and robust under varying environmental conditions. It is manufactured according to ISO 9001 Quality Management standards and is RoHS compliant...

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RF Connector Interface



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

## RF Specification

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 ...

|                       |            |                           |           |
|-----------------------|------------|---------------------------|-----------|
| 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    |

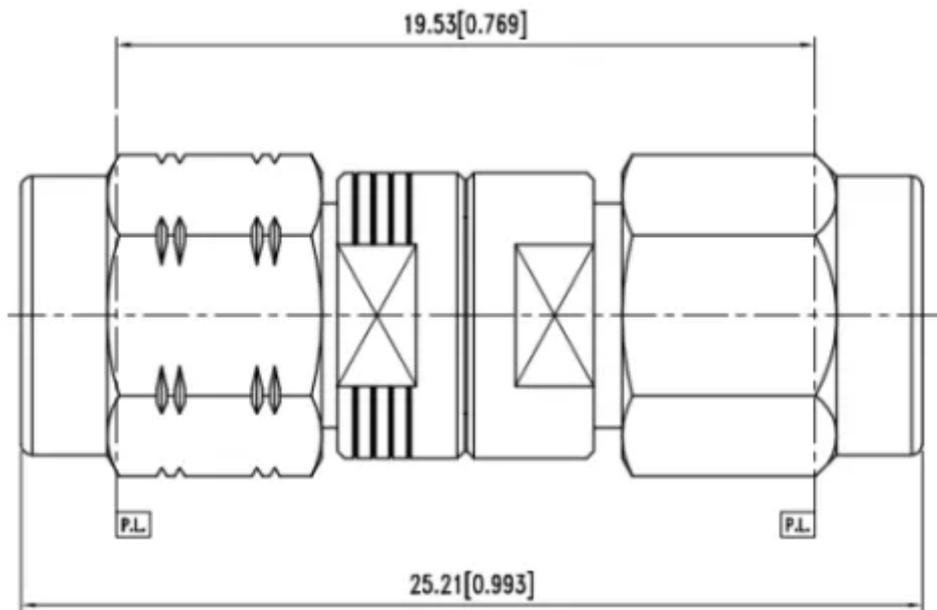
VSWR Measurement

| 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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