

# Huang Liang 2.4 mm Male to SMA Female Adapter

SKU: ACC-HL-00022

MPN: ADU1-QM1-SMF1

## Description

The Huang Liang 2.4 mm Male to SMA Female Adapter (Part Number: ADU1-QM1-SMF1) is a high-quality 50 Ω coaxial RF adapter. Featuring a 2.4 mm Male interface compatible with 2.4 mm Male and 1.85 mm Female connections, as well as an SMA Female interface compatible with SMA Male connections, this adapter supports operating frequencies from 0 GHz to 26.5 GHz.

Constructed from Stainless Steel (303) with a passivated finish and Beryllium Copper inner contacts with Gold plating, the adapter is designed for durability and superior signal integrity. It operates within a temperature range of -65 °C to 150 °C.

Compliant with ISO 9001 Quality Management and RoHS standards, this adapter ensures reliability and environmental safety. Ideal for use in military, telecommunications, and aerospace industries, Huang Liang leverages over 30 years of expertise in RF technology to provide high-performance solutions and support.



## 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     |
|--------------|------------|--------------|
| 2.4 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: | $\leq 6 \text{ m}\Omega$    |
| RF Operating Voltage: | $\geq 350 \text{ Vrms}$ | Insulation Resistance:    | $\geq 5000 \text{ m}\Omega$ |
|                       |                         | Outer Contact Resistance: | $\leq 2 \text{ m}\Omega$    |

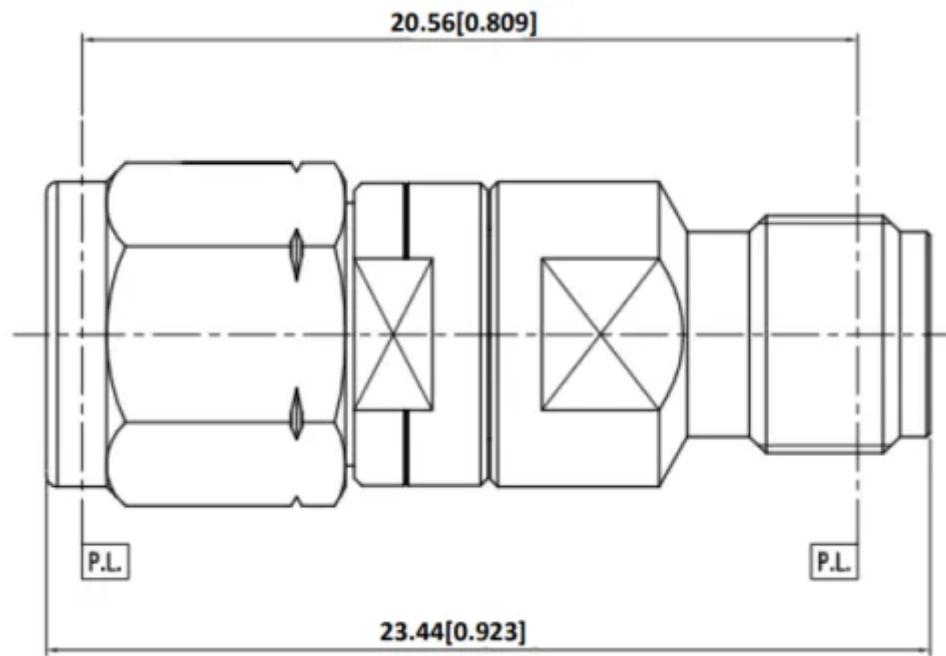
## VSWR Measurement

| Frequency | VSWR         | Insertion Loss |
|-----------|--------------|----------------|
| 26500 MHz | $\leq 1.2:1$ | 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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