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Huang Liang 1.85 mm Male to SMA Female Adapter

SKU
ACC-HL-00003
MPN
ADU1-VM1-SMF1

Description

The Huang Liang 1.85 mm Male to SMA Female Adapter (Part Number: ADU1-VM1-SMF1) is a high-quality 50 Ω coaxial RF adapter. Designed and manufactured in Taiwan, this adapter features a 1.85 mm Male interface with a straight, free-hanging body compatible with 1.85 mm Female and 2.4 mm Female interfaces. The SMA Female interface, also straight and free-hanging, is compatible with SMA Male connectors.

The adapter supports an operating frequency range from 0 GHz to 26.5 GHz, ensuring broad applicability across various RF systems. It is constructed from durable stainless steel (303) with a passivated finish for enhanced corrosion resistance. The inner contacts are made of beryllium copper and gold-plated for excellent conductivity and reliability.

With an operating temperature range of -40 °C to 105 °C, this adapter is suitable for a wide range of environmental conditions. Certified to ISO 9001 standards and RoHS compliant, it meets rigorous...

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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 Male	Straight	Free Hanging
SMA Female	Straight	Free Hanging

RF Specification

Start Frequency

0 GHz

Stop Frequency

26.5 GHz

RF Operating Voltage

≥ 325 Vrms

Input Impedance

50 Ω

Inner Contact Resistance

≤ 6 m Ω

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 \(303\)](#)

Body Plating

[Passivated](#)

Insulator Material

[PTFE / Teflon](#)

Weight

5.4 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Contact Material

[Beryllium Copper](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

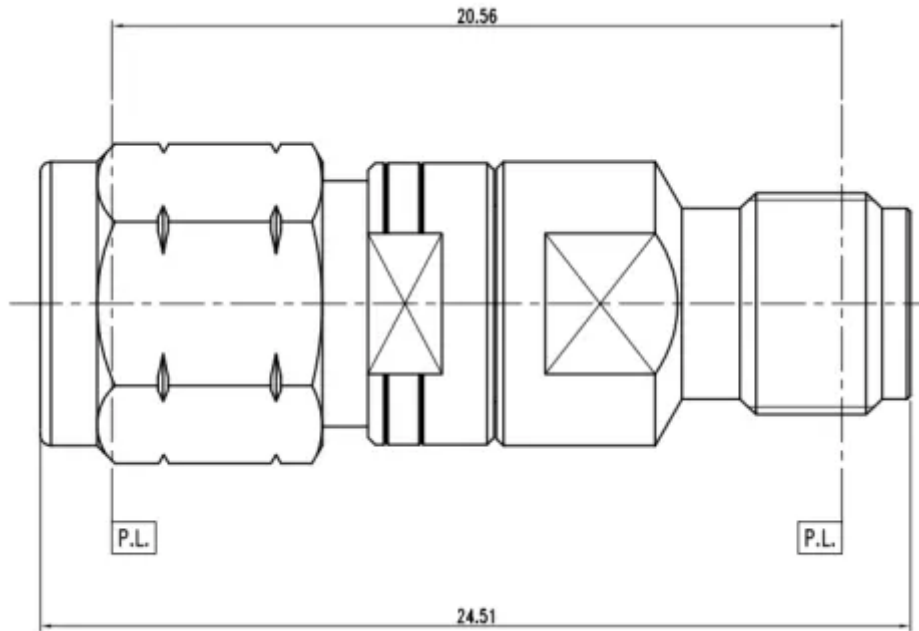
105 °C

Mating Cycles

> 500

Drawing

Image



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