

# Huang Liang 3.5 mm Male to 3.5 mm Female Adapter

SKU

ACC-HL-00052

MPN

ADU1-35M1-35F1

## Description

The Huang Liang ADU1-35M1-35F1 is a 50  $\Omega$  coaxial RF adapter featuring a 3.5 mm male to 3.5 mm female interface. Designed with straight body shapes and free-hanging mounting, it is compatible with both 3.5 mm and SMA interfaces. The adapter operates within a frequency range of 0 GHz to 34 GHz, making it suitable for high-performance applications.

Constructed from stainless steel (303) with a passivated finish, the adapter ensures durability and corrosion resistance. Its inner contacts are crafted from beryllium copper with gold plating, ensuring reliable conductivity and performance. The adapter performs efficiently in temperatures ranging from -40 °C to 105 °C.

Manufactured to ISO 9001 quality management standards and RoHS compliant, this adapter meets rigorous quality and environmental criteria. Ideal for use in various industries, including military, telecommunications, and aerospace, the Huang Liang ADU1-35M1-35F1 provides a dependable...

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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
<a href="#">3.5 mm Male</a>	<a href="#">Straight</a>	<a href="#">Free Hanging</a>
<a href="#">3.5 mm Female</a>	<a href="#">Straight</a>	<a href="#">Free Hanging</a>

## RF Specification

Start Frequency

0 GHz

Stop Frequency

34 GHz

RF Operating Voltage

$\geq 250$  Vrms

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 6$  m $\Omega$

Insulation Resistance

$\geq 3000$  m $\Omega$

Outer Contact Resistance

$\leq 2$  m $\Omega$

VSWR Measurement

**Frequency VSWR Insertion Loss**

34000 MHz  $\leq 1.2:1$  0.35 dB

## Physical Specification

Body Material

[Stainless Steel \(303\)](#)

Body Plating

[Passivated](#)

Insulator Material

[PTFE / Teflon](#)

Weight

6 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

[RoHS](#)

Contact Material

[Beryllium Copper](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

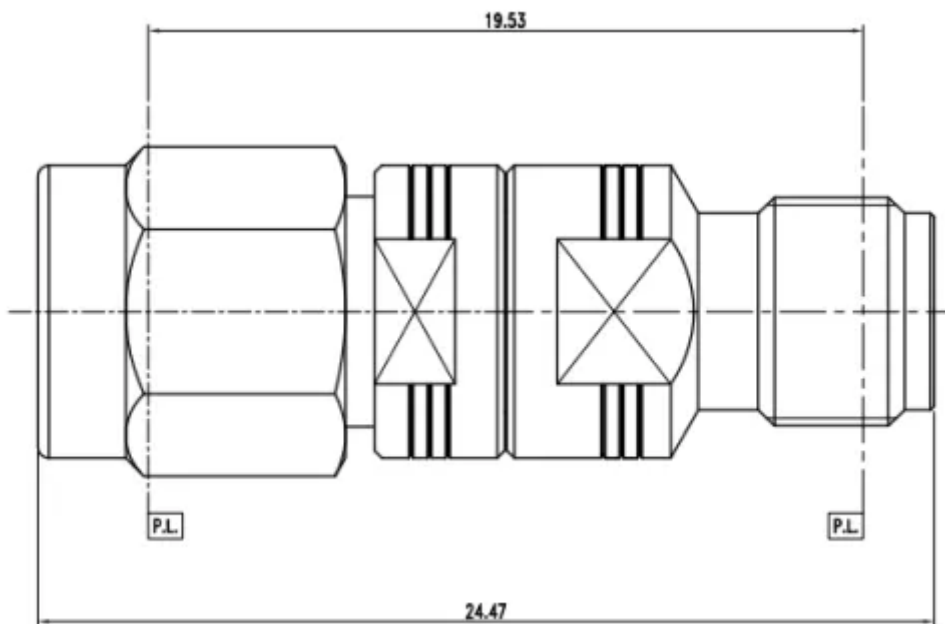
105 °C

Mating Cycles

> 500

Drawing

Image



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