

Page



Powertec Wireless Technology  
ABN: 42 082 948 463  
PO Box 1034, Ashmore City  
Queensland, Australia, 4214  
sales@powertec.com.au  
1300 769 378

## **Huang Liang 1.85 mm Male to 3.5 mm Male Adapter**

SKU  
ACC-HL-00006  
MPN  
ADU1-VM1-35M1

### **Description**

The Huang Liang 1.85 mm Male to 3.5 mm Male Adapter (Part Number: ADU1-VM1-35M1) is a high-quality, 50  $\Omega$  coaxial RF adapter designed for versatile connectivity. It features a straight 1.85 mm male interface compatible with 1.85 mm and 2.4 mm female connectors, and a straight 3.5 mm male interface compatible with 3.5 mm and SMA female connectors. The adapter supports an operating frequency range of 0 GHz to 34 GHz, making it suitable for various high-frequency applications.

Constructed from Stainless Steel (303) with a passivated finish, this adapter ensures durability and resistance to corrosion. The inner contacts are made of Beryllium Copper with gold plating, ensuring excellent conductivity and signal integrity. It operates reliably within a temperature range of -40 °C to 105 °C.

Compliant with ISO 9001 Quality Management and RoHS standards, this adapter meets stringent quality and environmental requirements. Huang Liang, based in...

[Read More](#)



## 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](#)

[3.5 mm Male Straight](#)      [Free Hanging](#)

## RF Specification

Start Frequency

0 GHz

Stop Frequency

34 GHz

RF Operating Voltage

$\geq 325$  Vrms

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 6$  m $\Omega$

Insulation Resistance

$\geq 3000 \text{ m}\Omega$

Outer Contact Resistance

$\leq 2 \text{ m}\Omega$

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

6.4 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Contact Material

[Beryllium Copper](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

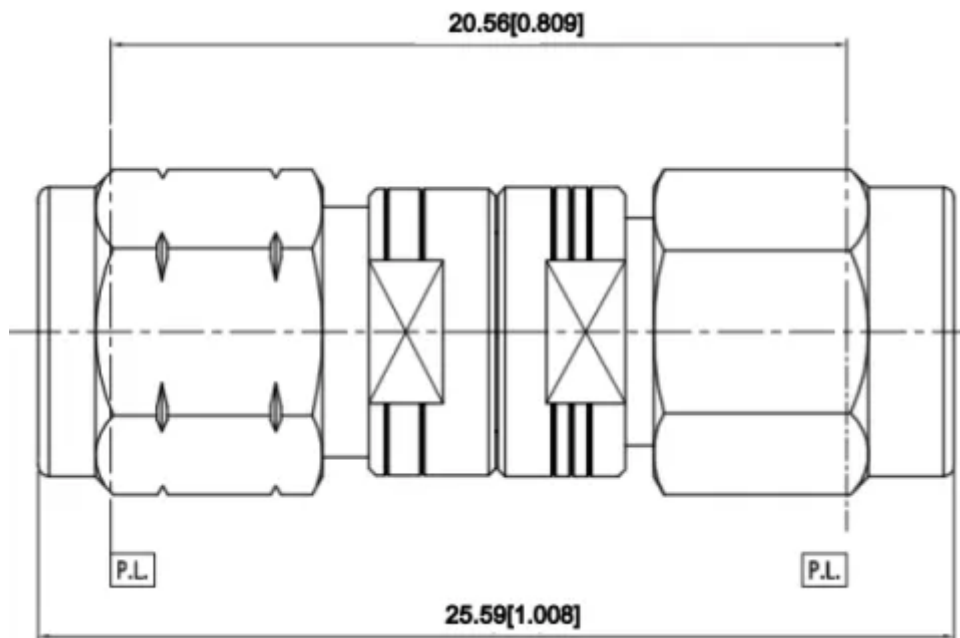
105 °C

Mating Cycles

> 500

Drawing

Image



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

