

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 2.4 mm Male to 2.4 mm Male Adapter**

SKU  
ACC-HL-00029  
MPN  
ADU2-QM1-QM1

### **Description**

The Huang Liang ADU2-QM1-QM1 is a 2.4 mm Male to 2.4 mm Male Adapter designed for high-frequency RF applications, operating from 0 GHz to 50 GHz. This 50  $\Omega$  coaxial RF adapter features a straight-body, free-hanging mounting mechanism, compatible with 2.4 mm Male and 1.85 mm Female connectors.

Constructed from Stainless Steel (303) with a passivated finish for durability, the inner contacts are made of Beryllium Copper with Gold plating, ensuring optimal conductivity. It operates efficiently within a temperature range of -40 °C to 105 °C.

Manufactured in compliance with ISO 9001 and RoHS standards, this adapter guarantees high quality and reliability. Huang Liang, a Taiwanese company with over 30 years of experience, is renowned for its precision in coaxial connectors, adapters, and cable assemblies, serving sectors like military, telecommunications, and aerospace.



## 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](#)

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

## RF Specification

Start Frequency

0 GHz

Stop Frequency

50 GHz

RF Operating Voltage

$\geq 250$  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**

50000 MHz  $\leq 1.25:1$  0.42 dB

## Physical Specification

Body Material

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

Body Plating

[Passivated](#)

Insulator Material

[PTFE / Teflon](#)

Weight

7 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Contact Material

[Beryllium Copper](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

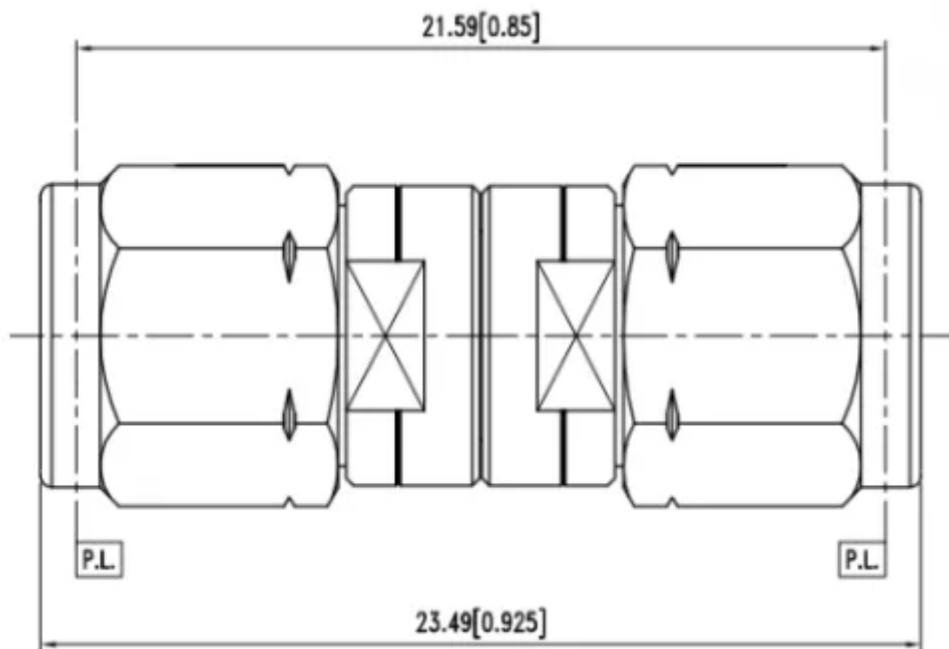
105 °C

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.

