

# Huang Liang 2.4 mm Female to SMA Male Adapter

SKU: ACC-HL-00031

MPN: ADU1-QF1-SMM1

## Description

The Huang Liang 2.4 mm Female to SMA Male Adapter (ADU1-QF1-SMM1) is a 50  $\Omega$  coaxial RF adapter designed for high-frequency applications up to 26.5 GHz. It features a 2.4 mm Female interface compatible with 2.4 mm Male and 1.85 mm Male interfaces and an SMA Male interface compatible with SMA Female interfaces. Both interfaces have a straight body shape and free hanging mounting mechanism.

Constructed from Stainless Steel (303) with a passivated finish, this adapter ensures durability and corrosion resistance. The inner contacts are made from Beryllium Copper with gold plating, providing excellent conductivity and reliability. It operates efficiently in a temperature range of -65 °C to 150 °C.

Manufactured in Taiwan by Huang Liang, a company with over 30 years of experience in RF technology, this adapter complies with ISO 9001 Quality Management and RoHS standards, ensuring high quality and environmental safety. Huang Liang serves various...

[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
2.4 mm Female	Straight	Free Hanging
SMA Male	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:	$\leq 2 \text{ m}\Omega$

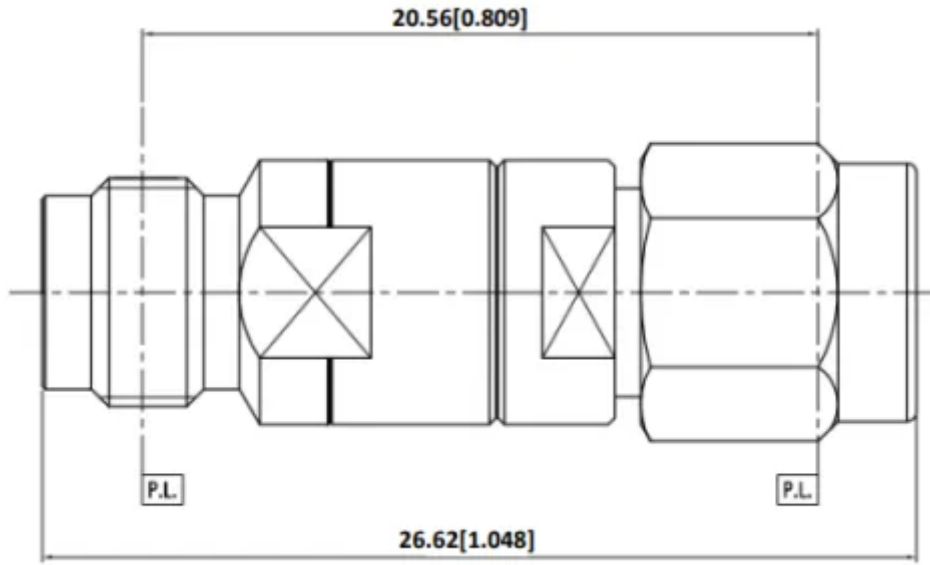
## VSWR Measurement

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
Weight:	8.4 g	Max. Operating Temperature:	150 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500
RoHS			

# Drawing



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.

