

# Huang Liang 1.85 mm Female to 2.92 mm Female Adapter

SKU: ACC-HL-00017

MPN: ADU1-VF1-KF1

## Description

The Huang Liang ADU1-VF1-KF1 Adapter is a 50 Ω coaxial RF adapter featuring a 1.85 mm female to 2.92 mm female interface. Designed for precision and versatility, the adapter supports frequencies from 0 GHz to 40 GHz and operates effectively within temperatures ranging from -40 °C to 105 °C.

Constructed from passivated stainless steel (303) and featuring gold-plated beryllium copper contacts, the adapter ensures durability and optimal signal integrity. Its free-hanging, straight body design facilitates seamless connections with compatible 1.85 mm, 2.4 mm, and 2.92 mm male interfaces.

Manufactured in Taiwan by Huang Liang, a company with over 30 years of expertise in RF technology, the adapter meets ISO 9001 quality standards and complies with RoHS regulations. This high-quality component is suitable for applications in military, telecommunications, and aerospace industries.



## 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 Female	Straight	Free Hanging
2.92 mm Female	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	40 GHz	Inner Contact Resistance:	$\leq 6 \text{ m}\Omega$
RF Operating Voltage:	$\geq 250 \text{ Vrms}$	Insulation Resistance:	$\geq 3000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 2 \text{ m}\Omega$

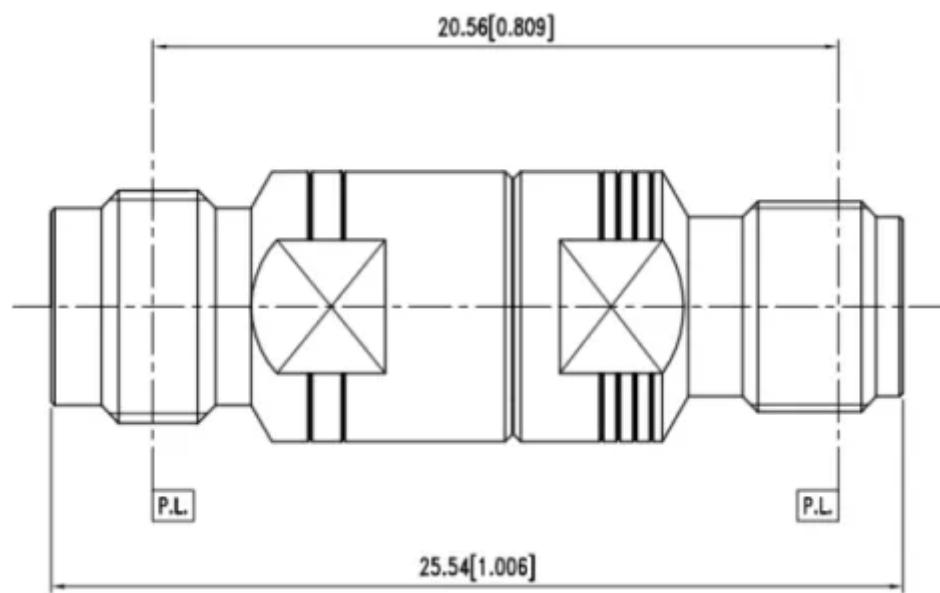
## VSWR Measurement

Frequency	VSWR	Insertion Loss
40000 MHz	$\leq 1.2:1$	0.38 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:	-40 °C
Weight:	5.5 g	Max. Operating Temperature:	105 °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.

