

# Huang Liang 1.85 mm Female to 2.92 mm Male Adapter

SKU: ACC-HL-00018

MPN: ADU1-VF1-KM1

## Description

The Huang Liang ADU1-VF1-KM1 Adapter is a 50 Ω coaxial RF adapter designed for high-frequency applications, featuring a 1.85 mm Female to 2.92 mm Male connection. This adapter operates within a frequency range of 0 GHz to 40 GHz, ensuring optimal performance across various RF environments.

Constructed from Stainless Steel (303) with a Passivated finish, it offers durability and resistance to corrosion. The inner contacts, made from Beryllium Copper with Gold plating, guarantee excellent conductivity and reliability. It is suitable for extreme environments, with an operational temperature range of -65 °C to 150 °C.

The adapter's straight body design facilitates a free-hanging mounting mechanism, compatible with 1.85 mm Male, 2.4 mm Male, and 2.92 mm Female interfaces. Manufactured in compliance with ISO 9001 Quality Management and RoHS standards, it meets rigorous quality and environmental requirements.

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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
1.85 mm Female	Straight	Free Hanging
2.92 mm Male	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	40 GHz	Inner Contact Resistance:	$\leq 3 \text{ m}\Omega$
RF Operating Voltage:	$\geq 350 \text{ Vrms}$	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 2 \text{ m}\Omega$

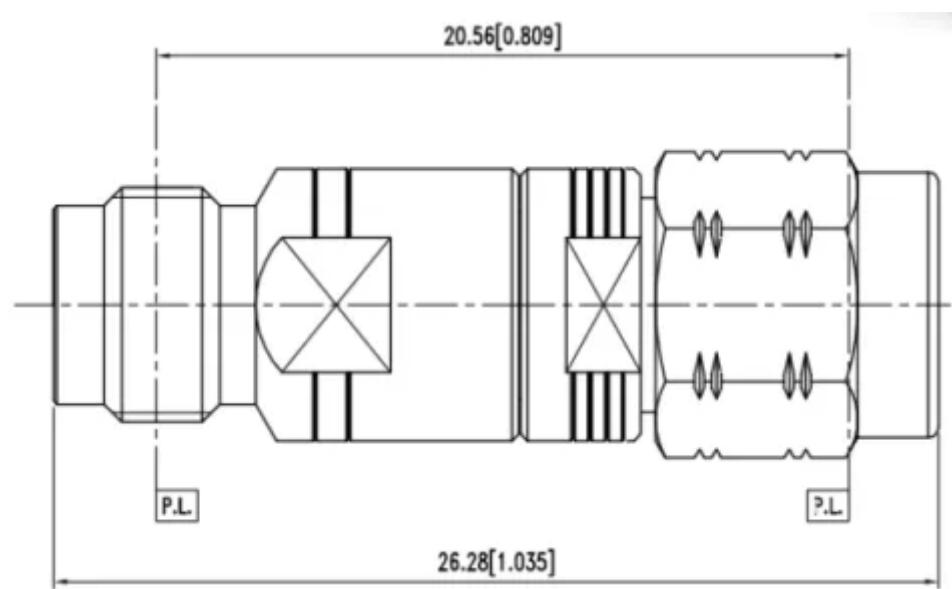
## VSWR Measurement

Frequency	VSWR	Insertion Loss
40000 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
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	150 °C
RoHS		Mating Cycles:	> 500

# Drawing



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