

# 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.



### RF Connector Interface

| RF Interface   | Body Shape | Mounting     |
|----------------|------------|--------------|
| 1.85 mm Female | Straight   | Free Hanging |
| 2.92 mm Female | Straight   | Free Hanging |

## RF Specification



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 ...

|                       |                         |                           |                             |
|-----------------------|-------------------------|---------------------------|-----------------------------|
| 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

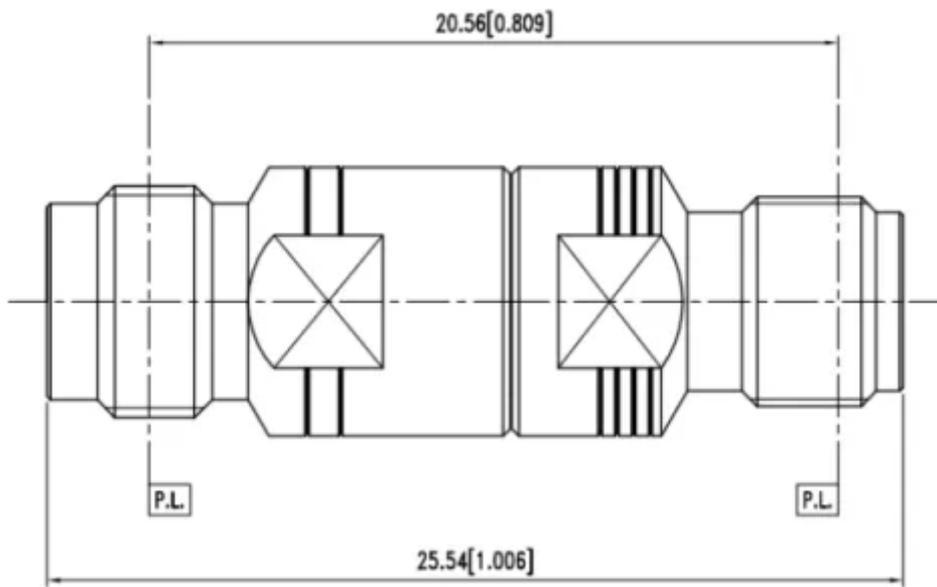
| Frequency | VSWR         | Insertion Loss |
|-----------|--------------|----------------|
| 40000 MHz | $\leq 1.2:1$ | 0.38 dB        |

## 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



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