

# Huang Liang 3.5 mm Male to N Female Adapter

SKU: ACC-HL-00058  
 MPN: ADU1-35M1-NF1

## Description

The Huang Liang 3.5 mm Male to N Female Adapter (Part Number: ADU1-35M1-NF1) is a high-quality 50 Ω coaxial RF adapter. It features a 3.5 mm Male interface compatible with 3.5 mm Female and SMA Female interfaces, and an N Female interface compatible with N Male interfaces. Both connectors have a straight body shape and a free-hanging mounting mechanism, making them versatile for various applications.

This adapter operates within a frequency range of 0 GHz to 18 GHz, ensuring broad compatibility with numerous RF systems. Constructed from Stainless Steel (303) with a passivated finish, it offers durability and corrosion resistance. The inner contacts are made of Beryllium Copper with Gold plating, providing excellent conductivity and reliability.

Designed to perform in extreme environments, this adapter operates between -40 °C and 105 °C. It is manufactured in compliance with ISO 9001 Quality Management standards and is RoHS compliant...

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RF Connector Interface



| RF Interface | Body Shape | Mounting     |
|--------------|------------|--------------|
| 3.5 mm Male  | Straight   | Free Hanging |
| N 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:       | 18 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

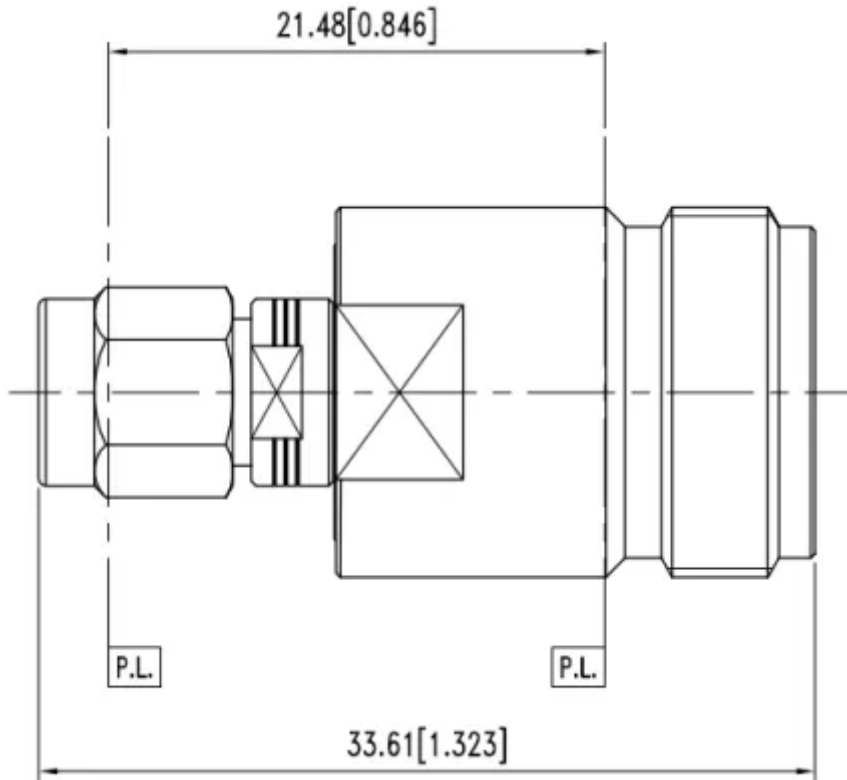
| Frequency | VSWR         | Insertion Loss |
|-----------|--------------|----------------|
| 18000 MHz | $\leq 1.2:1$ | 0.25 dB        |

## Physical Specification

|                            |                             |                             |                  |
|----------------------------|-----------------------------|-----------------------------|------------------|
| Body Material:             | Stainless Steel (303)       | Contact Material:           | Beryllium Copper |
| Body Plating:              | Passivated                  | Contact Plating:            | Gold             |
| Insulator Material:        | PTFE / Teflon               | Min. Operating Temperature: | -40 °C           |
| Weight:                    | 28.6 g                      | Max. Operating Temperature: | 105 °C           |
| Compliance/Certifications: | ISO 9001 Quality Management | Mating Cycles:              | > 500            |

RoHS

# Drawing



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