

# Huang Liang SMA Male to SMA Male Adapter, Precision 26.5 GHz

SKU: ACC-HL-00073

MPN: 101-A010.188

## Description

The Huang Liang SMA Male to SMA Male Adapter, Part Number 101-A010.188, is a high-precision RF adapter designed for 50  $\Omega$  coaxial connections, operating up to 26.5 GHz. This adapter features SMA Male interfaces on both ends, each with a straight body shape and free hanging mounting, making it compatible with SMA Female interfaces.

Constructed from 303 Stainless Steel with a passivated finish, and utilizing Beryllium Copper inner contacts with gold plating, this adapter ensures durability and reliable performance. Its operational temperature range spans from -65 °C to 165 °C, making it suitable for various demanding environments.

Manufactured in compliance with ISO 9001 Quality Management and RoHS standards, this adapter is ideal for applications in military, telecommunications, and aerospace industries. With over 30 years of experience, Huang Liang is a trusted name in RF technology, offering expert engineering support and high-quality...

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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     |
|--------------|------------|--------------|
| SMA Male     | 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: | ≤ 6 mΩ    |
| RF Operating Voltage: | ≥ 500 Vrms | Insulation Resistance:    | ≥ 5000 mΩ |
|                       |            | Outer Contact Resistance: | ≤ 2 mΩ    |

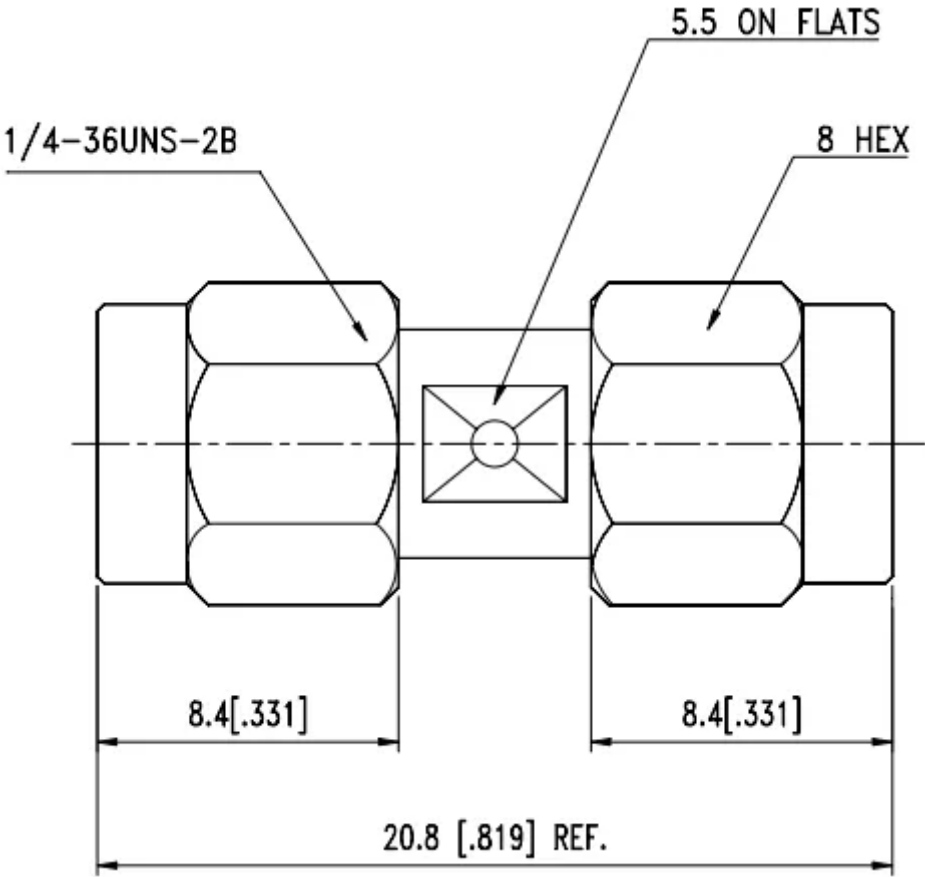
### VSWR Measurement

| Frequency | VSWR     | Insertion Loss |
|-----------|----------|----------------|
| 26500 MHz | ≤ 1.25:1 | 0.36 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           |
| Dimensions:                | 20.8 x 8                    | Max. Operating Temperature: | 165 °C           |
| Compliance/Certifications: | ISO 9001 Quality Management | Mating Cycles:              | > 500            |
| RoHS                       |                             |                             |                  |

Drawing



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