Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

# Huang Liang SMA Female to SMA Female Radius RA Adapter, Precision 18 GHz

SKU: ACC-HL-00076
MPN: 101-R046.188

## Description

The Huang Liang SMA Female to SMA Female Radius RA Adapter (Part Number: 101-R046.188) is a high-quality 50 Ω coaxial RF adapter designed for applications requiring precision up to 18 GHz. Manufactured in Taiwan, this adapter features a radius right-angle design with a free-hanging mounting mechanism, ensuring compatibility with SMA Male interfaces.

Constructed from Stainless Steel (303) with a passivated finish, it offers durability and resistance to corrosion. The inner contacts are made of Beryllium Copper with Gold plating for excellent conductivity and reliability. It operates efficiently within a wide temperature range of -65 °C to 165 °C, making it suitable for demanding environments.

Huang Liang adheres to ISO 9001 Quality Management standards and RoHS compliance, ensuring high standards of quality and safety. With over 30 years of experience in RF technology, Huang Liang serves diverse industries including military...

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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 Female | Radius Right Angle | Free Hanging |
| SMA Female | Radius Right Angle | Free Hanging |

# RF Specification

| | | | |
|---|---|---|---|
| Start Frequency: | 0 GHz | Input Impedance: | 50 |
| Stop Frequency: | 18 GHz | Inner Contact Resistance: | ≤ 6 mΩ |
| RF Operating Voltage: | ≥ 500 Vrms | Insulation Resistance: | ≥ 5000 mΩ |
| | | Outer Contact Resistance: | ≤ 2 mΩ |

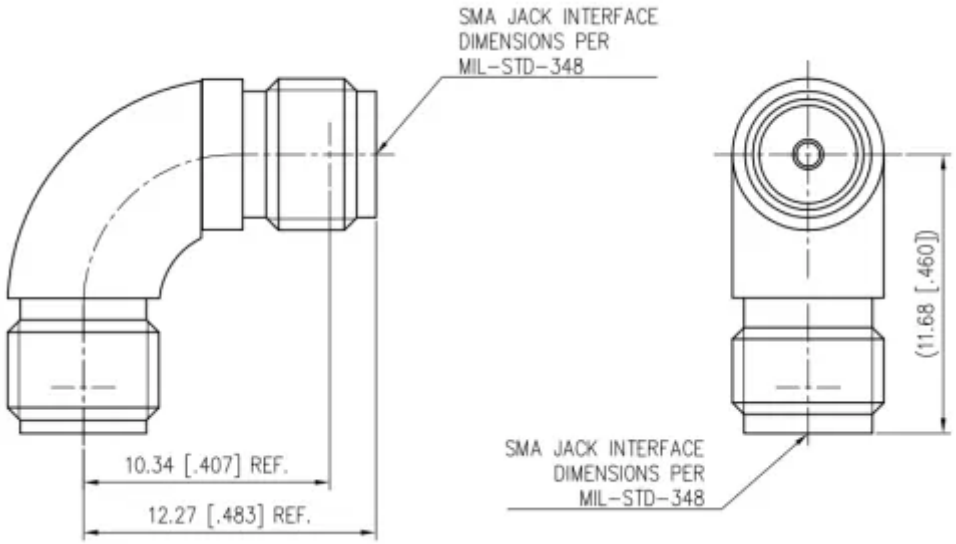
## VSWR Measurement

| Frequency | VSWR | Insertion Loss |
|---|---|---|
| 18000 MHz | ≤ 1.25:1 | 0.3 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 , RoHS | Max. Operating Temperature: | 165 °C |
| | | Mating Cycles: | > 500 |

## Drawing


SMA JACK INTERFACE
DIMENSIONS PER
MIL-STD-348
10.34 [.407] REF.
12.27 [.483] REF.
(11.68 [.460])
SMA JACK INTERFACE
DIMENSIONS PER
MIL-STD-348

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