

# Huang Liang SMA Male to SMP Female Adapter

SKU: ACC-HL-00070

MPN: 145-A045.111

## Description

The Huang Liang SMA Male to SMP Female Adapter (Part Number: 145-A045.111) is a 50 Ω coaxial RF Adapter designed for high-performance applications. This adapter features a straight SMA Male interface compatible with SMA Female connections, and a straight SMP Female interface compatible with SMP Male connections. It operates across a frequency range of 0 GHz to 40 GHz, making it suitable for a variety of RF applications.

Constructed from passivated stainless steel (303), the adapter ensures durability and resistance to corrosion. The inner contacts are made of beryllium copper with gold plating, providing excellent conductivity and signal integrity. The adapter performs reliably in extreme temperatures, from -65 °C to 165 °C.

Manufactured to ISO 9001 quality standards and compliant with RoHS, this adapter guarantees high quality and environmental responsibility. Ideal for use in military, telecommunications, and aerospace sectors, it...

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RF Connector Interface



| RF Interface | Body Shape | Mounting     |
|--------------|------------|--------------|
| SMA Male     | Straight   | Free Hanging |
| SMP 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: | ≤ 6 mΩ    |
| RF Operating Voltage: | ≥ 335 Vrms | Insulation Resistance:    | ≥ 5000 mΩ |
|                       |            | Outer Contact Resistance: | ≤ 2 mΩ    |

VSWR Measurement

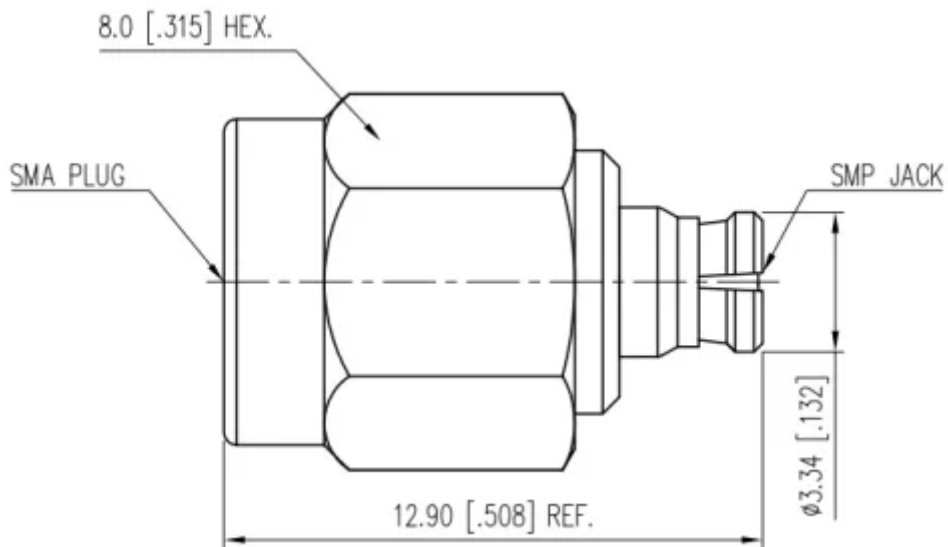
| Frequency | VSWR    | Insertion Loss |
|-----------|---------|----------------|
| 40000 MHz | ≤ 1.3:1 | 0.3 dB         |

# 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           |
| Weight:                    | 2.7 g                       | Max. Operating Temperature: | 165 °C           |
| Compliance/Certifications: | ISO 9001 Quality Management | Mating Cycles:              | > 500            |

RoHS

## Drawing



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