

Page



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 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  $\Omega$  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...

[Read More](#)



## 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](#)

[SMP Female](#)    [Straight](#)    [Free Hanging](#)

## **RF Specification**

Start Frequency

0 GHz

Stop Frequency

40 GHz

RF Operating Voltage

$\geq 335$  Vrms

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 6$  m $\Omega$

Insulation Resistance

$\geq 5000 \text{ m}\Omega$

Outer Contact Resistance

$\leq 2 \text{ m}\Omega$

VSWR Measurement

**Frequency VSWR Insertion Loss**

40000 MHz  $\leq 1.3:1$  0.3 dB

## Physical Specification

Body Material

[Stainless Steel \(303\)](#)

Body Plating

[Passivated](#)

Insulator Material

[PTFE / Teflon](#)

Weight

2.7 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Contact Material

[Beryllium Copper](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-65 °C

Max. Operating Temperature

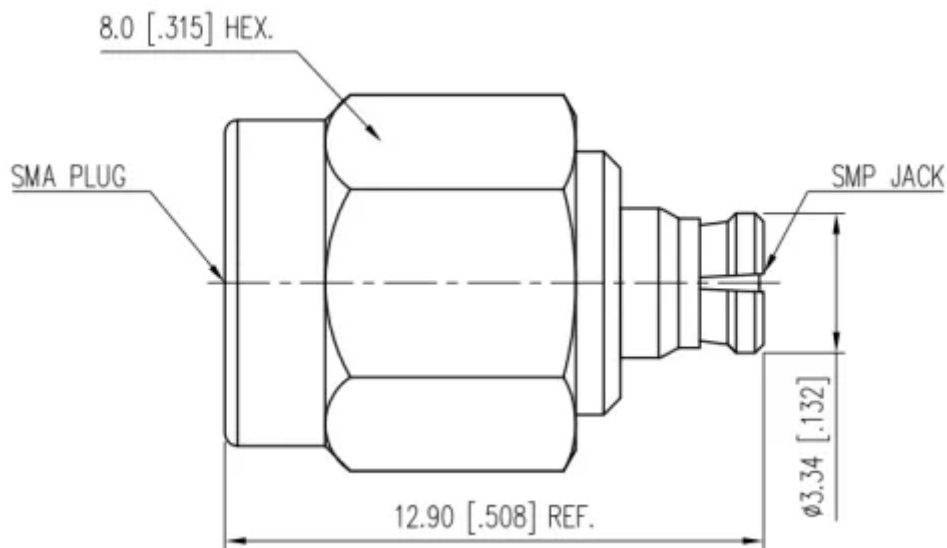
165 °C

Mating Cycles

> 500

Drawing

Image



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

