

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 SMA Female Radius RA Adapter, Precision 18 GHz

SKU
ACC-HL-00075
MPN
101-R045.188

Description

The Huang Liang SMA Male to SMA Female Radius RA Adapter (Part Number: 101-R045.188) is a high-precision 50 Ω coaxial RF adapter operating up to 18 GHz. Designed with a radius right-angle body, it features free-hanging SMA male and SMA female interfaces, ensuring seamless compatibility. Constructed from 303 stainless steel with a passivated finish, it offers durability and corrosion resistance. The inner contacts are crafted from beryllium copper with gold plating, enhancing signal integrity. The adapter functions efficiently in extreme temperatures ranging from -65 °C to 165 °C. Compliant with ISO 9001 Quality Management and RoHS standards, this adapter meets stringent quality and environmental requirements. Ideal for applications in military, telecommunications, and aerospace industries, Huang Liang leverages over 30 years of RF technology expertise to deliver reliable and high-performance components.



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

RF Specification

Start Frequency

0 GHz

Stop Frequency

18 GHz

RF Operating Voltage

≥ 500 Vrms

Input Impedance

50 Ω

Inner Contact Resistance

≤ 6 m Ω

Insulation Resistance

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

Outer Contact Resistance

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

VSWR Measurement

Frequency VSWR Insertion Loss

18000 MHz $\leq 1.25:1$ 0.3 dB

Physical Specification

Body Material

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

Body Plating

[Passivated](#)

Insulator Material

[PTFE / Teflon](#)

Weight

4 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Contact Material

[Beryllium Copper](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-65 °C

Max. Operating Temperature

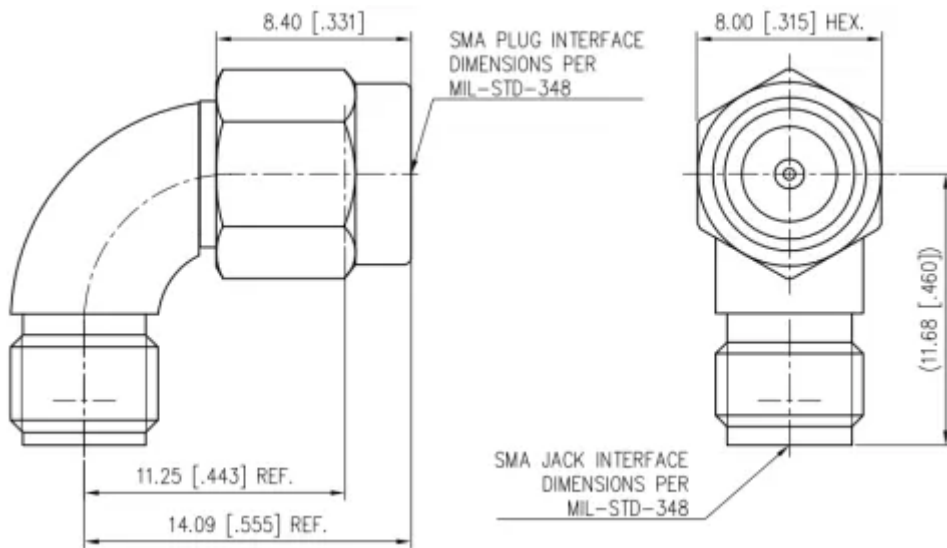
165 °C

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.

