

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 Right Angle Adapter, Precision 18 GHz

SKU: ACC-HL-00074 MPN: 101-R040.111

### Description

The Huang Liang SMA Male to SMA Female Right Angle Adapter (Part Number: 101-R040.111) is a high-precision 50  $\Omega$  RF adapter designed for frequencies up to 18 GHz. This adapter features right-angle SMA male and female interfaces with a free-hanging mounting mechanism, compatible with corresponding SMA connectors.

Constructed from stainless steel (303) with a passivated finish and gold-plated beryllium copper inner contacts, it ensures durability and excellent conductivity. The adapter operates within a temperature range of -65 °C to 165 °C, making it suitable for various demanding applications.

Manufactured in compliance with ISO 9001 and RoHS standards, this adapter meets stringent quality and environmental requirements. Ideal for use in military, telecommunications, and aerospace industries, Huang Liang's extensive expertise and professional engineering support make this adapter a reliable choice for high-frequency RF applications.



## Huang Liang

#### **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	Right Angle	Free Hanging
SMA Female	Right Angle	Free Hanging

## **RF** Specification

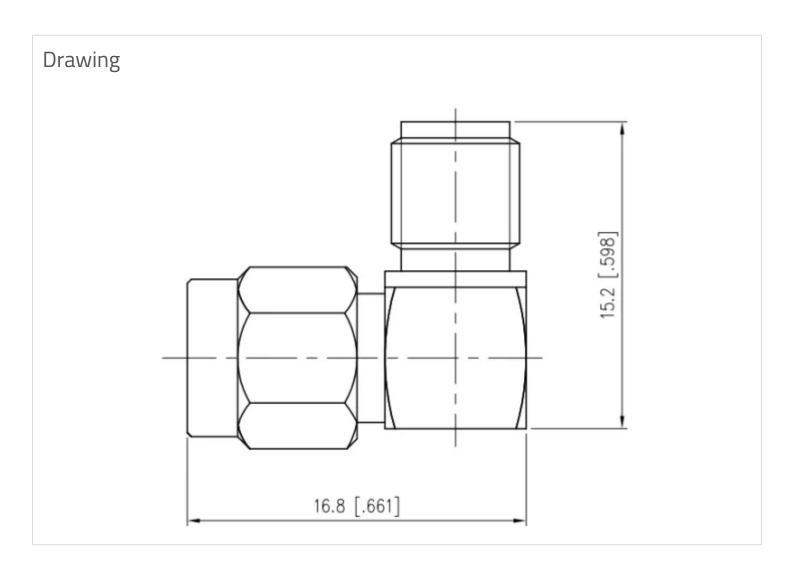
Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	18 GHz	Inner Contact Resistance:	≤ 6 mΩ
RF Operating Voltage:	≥ 500 Vrms	Insulation Resistance:	≥ 5000 mΩ
		Outer Contact Resistance:	≤ 2 mΩ

#### **VSWR** Measurement

Frequency	VSWR	Insertion Loss
18000 MHz	≤ 1.15:1	0.5 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	Max. Operating Temperature:	165 °C
RoHS	,	Mating Cycles:	> 500



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.

