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

RP-SMA Male Connector for L-195 Coaxial Cable

SKU
ACC-PT-00522
MPN
RSA1-C-L19

Description

The RP-SMA Male Connector for L-195 Coaxial Cable (SKU: ACC-PT-00522), part number RSA1-C-L19, is crimp-styled connector suitable for LMR-195 and RG58 series cables. This connector features a straight, free-hanging design, tailored for L-195 cable types. With dimensions of 17.2 × 8.4 mm, it is built to endure over 500 mating cycles, offering reliability and longevity.

Constructed from brass with a gold-plated finish, it ensures excellent conductivity and corrosion resistance. The inner contacts are made of phosphor bronze, also gold-plated, while the PTFE/Teflon insulator maintains robustness across a wide temperature range of -65 °C to 165 °C. Operating efficiently up to 6 GHz, it supports an impedance of 50 Ω, with minimal contact resistance (inner contact ≤ 3 mΩ, outer contact ≤ 2 mΩ).

This connector meets rigorous MIL-STD-202 standards, including thermal shock, corrosion, vibration, shock, and moisture resistance, ensuring dependable...

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Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

RF Connector Interface

RF Interface	Body Shape	Mounting
RP-SMA Male	Straight	Free Hanging

RF Specification

Start Frequency
0 GHz
Stop Frequency
6 GHz
Dielectric Withstand
500 Vrms
Input Impedance
50 Ω
Inner Contact Resistance
≤ 3 mΩ
Outer Contact Resistance
≤ 2 mΩ
VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.25:1

Physical Specification

Cable Group
L-195
Body Material
Brass
Body Plating
Gold
Insulator Material
PTFE / Teflon
Dimensions
17.2 × 8.4
Mechanical Compliance
MIL-STD-202: Corrosion
,
MIL-STD-202: Moisture Resistance
,
MIL-STD-202: Shock
,
MIL-STD-202: Thermal Shock
,

MIL-STD-202: Vibration

Conductor Attachment

Cable, Crimp

Contact Material

Phosphor Bronze

Contact Plating

Gold

Min. Operating Temperature

-65 °C

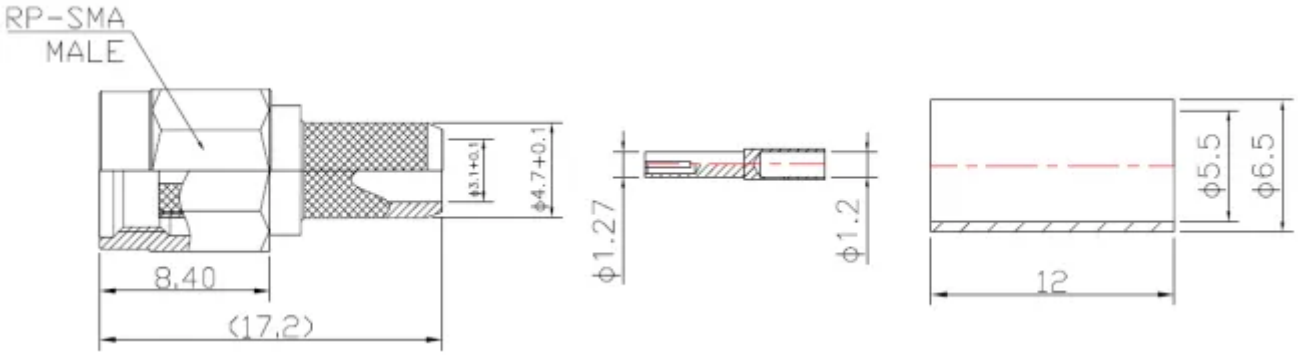
Max. Operating Temperature

165 °C

Mating Cycles

> 500

Drawing



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