

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-style 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 \leq 3 mΩ, outer contact \leq 2 mΩ).

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

[Read More](#)



Powertec

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	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	$\leq 3 \text{ m}\Omega$
Dielectric Withstand:	500 Vrms	Outer Contact Resistance:	$\leq 2 \text{ m}\Omega$

VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.25:1$

Physical Specification

Cable Group:	L-195	Conductor Attachment:	Cable, Crimp
Body Material:	Brass	Contact Material:	Phosphor Bronze
Body Plating:	Gold	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-65 °C
Dimensions:	17.2 x 8.4	Max. Operating Temperature:	165 °C
Mechanical Compliance:	MIL-STD-202: Corrosion	Mating Cycles:	> 500

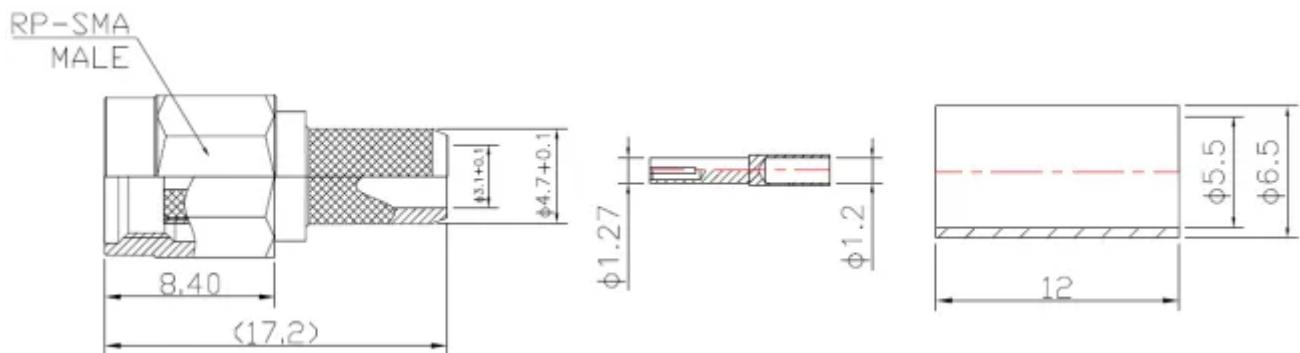
MIL-STD-202: Moisture Resistance

MIL-STD-202: Shock

MIL-STD-202: Thermal Shock

MIL-STD-202: Vibration

Drawing



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.

