

# 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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# RF Connector Interface

<b>RF Interface</b>	<b>Body Shape</b>	<b>Mounting</b>
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 × 8.4	Max. Operating Temperature:	165 °C
Mechanical Compliance:	MIL-STD-202: Corrosion	Mating Cycles:	> 500

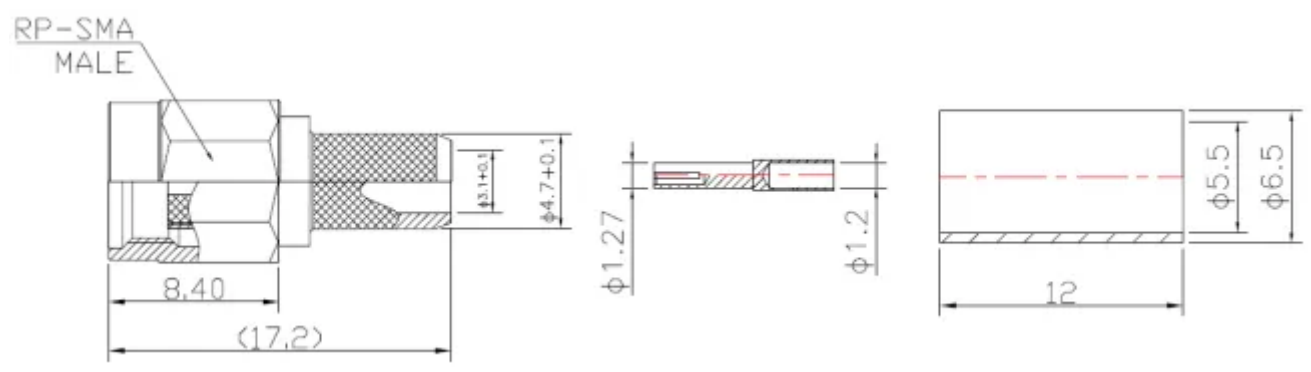
MIL-STD-202: Moisture Resistance

MIL-STD-202: Shock

MIL-STD-202: Thermal Shock

MIL-STD-202: Vibration

## Drawing



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