

# SMA Female Connector for RG-58 / L-195 Coaxial Cable, Bulkhead Rear Mount

SKU: ACC-PT-00049

MPN: SA2-C-L19.BRM

## Description

The SMA Female Connector for RG-58/L-195 Coaxial Cable, Bulkhead Rear Mount (SKU: ACC-PT-00049) by Powertec, part number SA2-C-L19.BRM, is a high-performance RF connector designed for reliable and durable connections. Featuring a straight body and bulkhead mounting style, this connector is compatible with RG-58 cable types and uses a cable crimp attachment for secure connections. It is crafted from brass with gold plating for enhanced conductivity and corrosion resistance, while the inner contacts are phosphor bronze with gold plating. The PTFE/Teflon insulator ensures stable performance across a wide temperature range from -65 °C to 165 °C.

This connector supports a frequency range from 0 GHz to 6.0 GHz with an input impedance of 50  $\Omega$ , ensuring minimal signal loss. It offers excellent durability withstanding over 500 mating cycles, and its contact resistances are  $\leq 3$  m $\Omega$  for the inner contact and  $\leq 2$  m $\Omega$  for the outer contact. The...

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# RF Connector Interface

## RF Interface

SMA Female

## Body Shape

Straight

## Mounting

Bulkhead

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

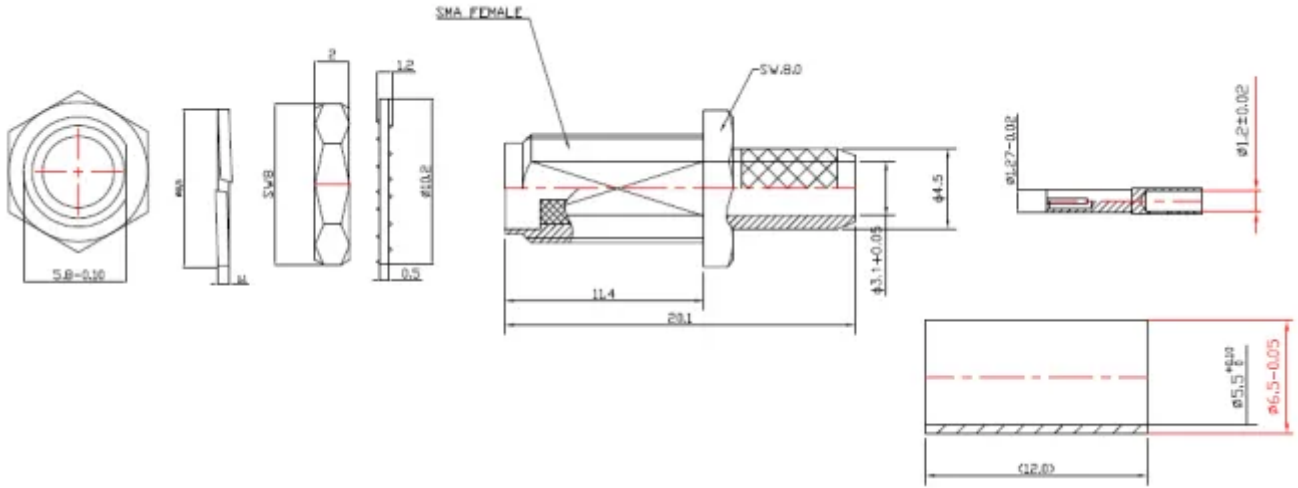
## VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.25:1$

# Physical Specification

Cable Group:	RG-58	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:	20.1 × 11.4 × 12	Max. Operating Temperature:	165 °C
		Mating Cycles:	> 500

# Drawing



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