

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

SKU: ACC-PT-00049

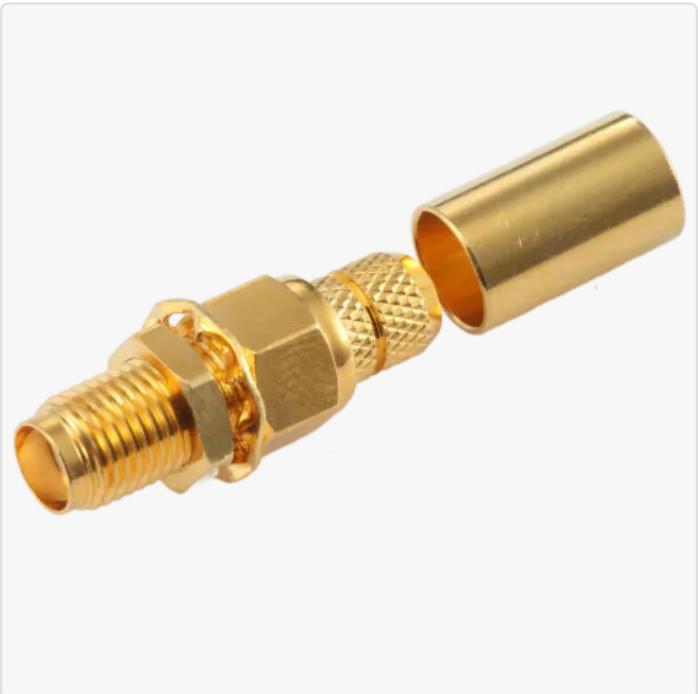
MPN: SA2-C-L19.BRM

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 Ω, ensuring minimal signal loss. It offers excellent durability withstanding over 500 mating cycles, and its contact resistances are $\leq 3 \text{ m}\Omega$ for the inner contact and $\leq 2 \text{ m}\Omega$ for the outer contact. The...

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RF Connector Interface

| RF Interface | Body Shape | Mounting |
|--------------|------------|----------|
| SMA Female | Straight | 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: | $\leq 2 \text{ m}\Omega$ |

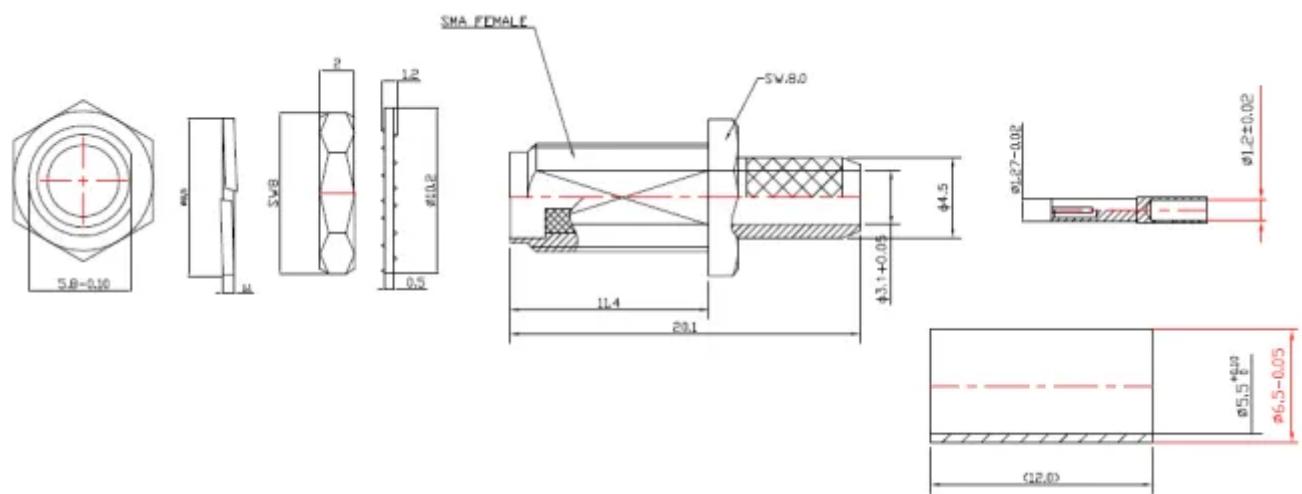
VSWR Measurement

| 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 x 11.4 x 12 | Max. Operating Temperature: | 165 °C |
| | | Mating Cycles: | > 500 |

Drawing



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