



SMP Terminations

With emergence of 5G market, the SMP interfaces become more popular. Midwest Microwave is now offering its SMP terminations through distribution to compliment variety of SMP connectors offerings of its sister brand Johnson. Midwest Microwave is a leader in microwave components manufacturing and utilizes its QPL design and manufacturing expertise into the SMP terminations.

Features

• DC to 18 GHz operation

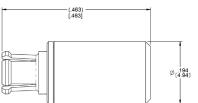
Part Number

- Interface per MIL-STD-348A, SMP series
- Compliments Johnson's SMP offering for 5G market
- SMP terminations made by M39030 qualified manufacturer

Description

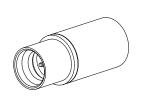


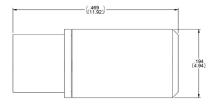
TRM-2109-F0-SMP-09	SMP Female Termination
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Part Number	Description
TRM-2109-M0-SMP-09	SMP Male Termination







SMP Termination Specifications



Materials

Body Gold plated beryllium copper

Dielectric PTFE (Teflon)

Center Contact Gold plated beryllium copper

Enviromental

Operating Temperature -65°C to +125°C

Thermal Shock Per MIL-STD-202, Method 107, Condition B

Mechanical Shock Per MIL-STD-202, Method 213, Condition 1

Salt Spray Per MIL-STD-202, Method 101, Condition B

Electrical

Frequency of Operation DC-18GHz

Impedance 50 Ohms

VSWR 1.20:1 (max.)

Average Power 2W Max @ 25°C derated to 1W @ 125°C

Mechanical

Interface Per MIL-STD-348A, Series SMP

Mating Durability 100 Matings

Center Contact Retention 1.5 lbs minimum axial

Engagement Force 15.0 lbs maximum full detent

Disengagement Force 5.0 lbs minimum full detent 2.0 lbs minimum limited detent 0.5 lbs minimum smooth bore

10.0 lbs maximum limited detent



20.0 lbs maximum smooth bore