

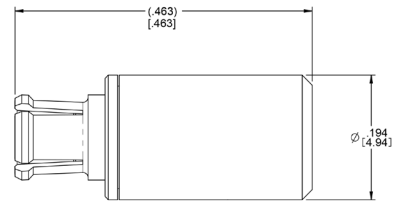
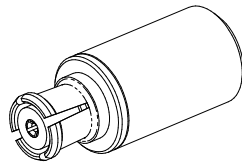
SMP Terminations

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.

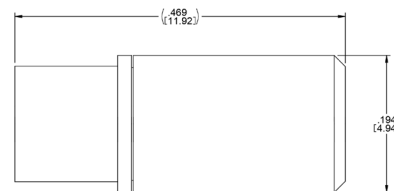
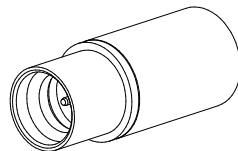
Features

- DC to 18 GHz operation
- Interface per MIL-STD-348A, SMP series
- Compliments Johnson’s SMP offering for 5G market
- SMP terminations made by M39030 qualified manufacturer

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



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

Environmental

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	10.0 lbs maximum limited detent	20.0 lbs maximum smooth bore
Disengagement Force	5.0 lbs minimum full detent	2.0 lbs minimum limited detent	0.5 lbs minimum smooth bore



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