

S/M DESIGN STANDARDS

DRAWING NO.

2313-0008

REQUIREMENTS	RATINGS	REQUIREMENTS	RATINGS
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 Method 204 Cond. D (.15G's)
Frequency Range (ghz)	DC - 4.0	Shock	MIL-STD-202 Method 213 Cond. I (.75G's)
Voltage Rating (max. vrms)	170	Temperature Cycling	MIL-STD-202 Method 107 - Cond. B (-65°C to + 200°C)
Temperature Rating (degrees centigrade)	-65° to + 165°	Corrosion	MIL-STD-202 Method 101 Cond. B (48 Hrs.)
VSWR (max.)	1.35 + .035 x FGHZ	Moisture Resistance	MIL-STD-202 Method 106 Less Step 7b
Insertion Loss (dB max.)	.09 x $\sqrt{\text{FGHZ}}$	Barometric Pressure (Altitude)	MIL-STD-202 Method 105 - Cond. C (70,000 ft) (125 vrms)
RF Leakage (min. dB down)	-65 dB-FGHZ		
RF High Potential (max. vrms)	340 at 5MHz		
Dielectric Withstanding Voltage (max. vrms)	500		
Insulation Resistance (min. megohms)	1000		
Contact Resistance:			
Center Contact (max. milliohms)	6.0		
Outer Contact (max. milliohms)	1.0		
Center Contact Axial Forces:			
Insertion (max. ounces)	40.0		
Withdrawal (min. ounces)	1.0		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (Axial (max. inch lbs.) Force)	14.0		
		CAPTIVATION: Center Contact Min. Axial Force	6 lbs.

REMARKS: 1) Recommended Mating Torque: N/A

TITLE: SMB R/A SNAP-ON PLUG FOR CABLES:
RG 178/U, 196/U .SOLITRON/MICROWAVE
PORT SALERNO, FLORIDASHT. 2 of 2DRAWING NO.
2313-0008REV.
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