



# ENG. FILE COPY

S/M DESIGN STANDARDS		DRAWING NO. 2213-0008	
REQUIREMENTS	RATINGS	REQUIREMENTS	RATINGS
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 Method 204 Cond. D (20G's)
Frequency Range (ghz)	DC - 10.0	Shock	MIL-STD-202 Method 213 Cond. I (100G'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 + .04 xFGHZ	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) (190 vrms)
RF Leakage (min. dB down)	100 dB-FGHZ	CAPTIVATION: Center Contact Min. Axial Force	6 lbs.
RF High Potential (max. vrms)	340 at 5MHZ		
Dielectric Withstanding Voltage (max. vrms)	510		
Insulation Resistance (min. megohms)	1000		
Contact Resistance: Center Contact (max. milliohms) Outer Contact (max. milliohms)	6.0 1.0		
Center Contact Axial Forces: Insertion (max. ounces) Withdrawal (min. ounces)	N/A		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	1.0		
REMARKS: 1) Recommended Mating Torque: 35 - 50 Inch ounces			
TITLE: SMC R/A PLUG TO RG 178, 196/U CABLE, CRIMP TYPE.		SOLITRON/MICROWAVE PORT SALERNO, FLORIDA	SHT: <u>2</u> of <u>2</u>
		DRAWING NO. 2213-0008	REV. -