

NOTES:

ENG. FILE COPY

S/M DESIGN STANDARDS

DRAWING NO.

M39012/56-3006

REQUIREMENTS	RATINGS	REQUIREMENTS	RATINGS
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 Method 204 Cond. D (20G's)
Frequency Range (ghz)	DC - 12.4	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 ^o to + 165 ^o	Corrosion	MIL-STD-202 Method 101 Cond. B (48 Hrs.)
VSWR (max.)	1.20 + 0.03 x FGHz	Moisture Resistance	MIL-STD-202 Method 106 Less Step 7b
Insertion Loss (dB max.)	.15 x $\sqrt{\text{FGHz}}$	Barometric Pressure (Altitude)	MIL-STD-202 Method 105 - Cond. C (70,000 ft) (125 vrms)
RF Leakage (min. dB down)	60 dB-FGHz		
RF High Potential (max. vrms)	335 at 5MHz		
Dielectric Withstanding Voltage (max. vrms)	500		
Insulation Resistance (min. megohms)	5000		
Contact Resistance:			
Center Contact (max. milliohms)	4.0		
Outer Contact (max. milliohms)	2.0		
Center Contact Axial Forces:			
Insertion (max. ounces)			
Withdrawal (min. ounces)	N/A		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	2.0		
		CAPTIVATION: Center Contact Min. Axial Force	6.0 lbs.

REMARKS: 1) Recommended Mating Torque: 7 - 10 Inch Pounds.

TITLE: SMA PLUG R/A CUBE FOR
RG 178 & 196/U CABLES.

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.
M39012/56-3006

REV.