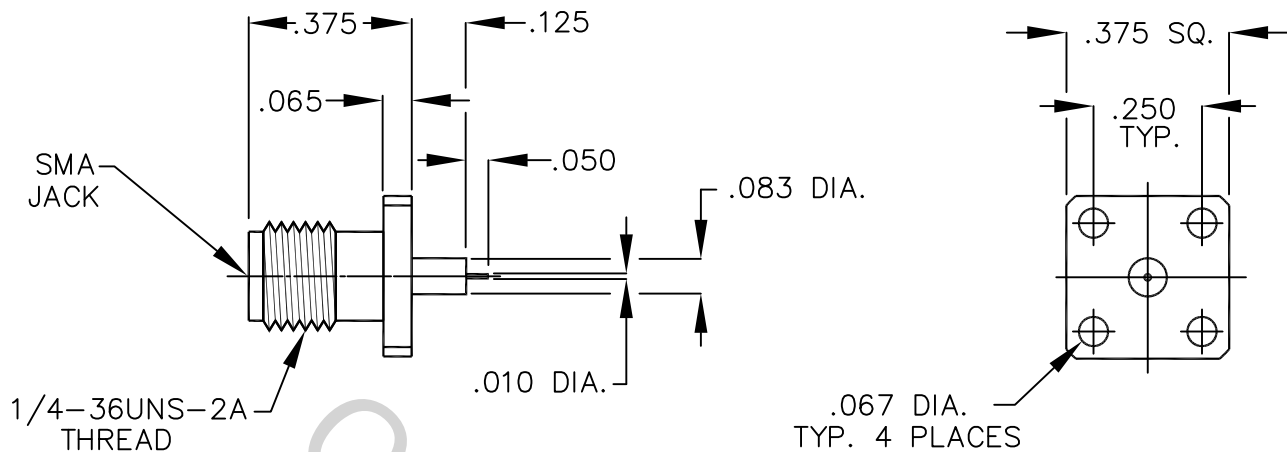


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, (Fig. 310.2), SMA, JACK AND DYNAWAVE SPECIFICATION MD-99.


2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX.) *	_____	1.06 + .006 x FGHz
INSERTION LOSS (dB MAX.) *	_____	.035 dB x FGHz
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65 °c TO + 165 °c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

*TERMINATED IN A 50 OHM LOAD

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
—	1097	7/94	DGG	.X ± .030		X ° ± 1 0'	TITLE SMA, JACK 4 HOLE FLANGE .010 DIA. PIN
AA	18-1658	6/11/18	DC	.XX ± .010 .XXX ± .005	± /64	X ° X' ± 15'	
				DRAWN	G.L.	DATE	7/94
				APPROVED	DGG	DATE	7/94
				CODE IDENT.			DWG. NO. 9954-0032-6207
				2J899	SHEET 1 OF 2		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
MAX.AXIAL FORCE _____ 6.0 LBS.
MAX. RADIAL TORQUE _____ N/A
CENTER CONTACT AXIAL FORCES
● INSERTION (MAX. OUNCES) _____ 48.0
● WITHDRAWAL (MIN. OUNCES) _____ 2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) — 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 °c TO + 200°)
SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)
VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (20 G's)
MOISTURE RESISTANCE _____ MIL-STD-202, METHOD 106, LESS STEP 7b
CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)
BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (190RMS)

5. MATERIAL

BODY _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS-C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER ASTM D 1710, TYPE 1, GRADE 1, CLASS B.

6. FINISH

BODY _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
CONTACT _____ GOLD PER ASTM B 488 TYPE II, CODE C, CLASS 1.27
(.000050 MIN THK) OVER NICKEL PER QQ-N-290, CLASS 1
(.000050 Minimum Thickness) OVER COPPER PER
AMS 2418 (.000010 Minimum Thickness).
INSULATOR _____ N/A