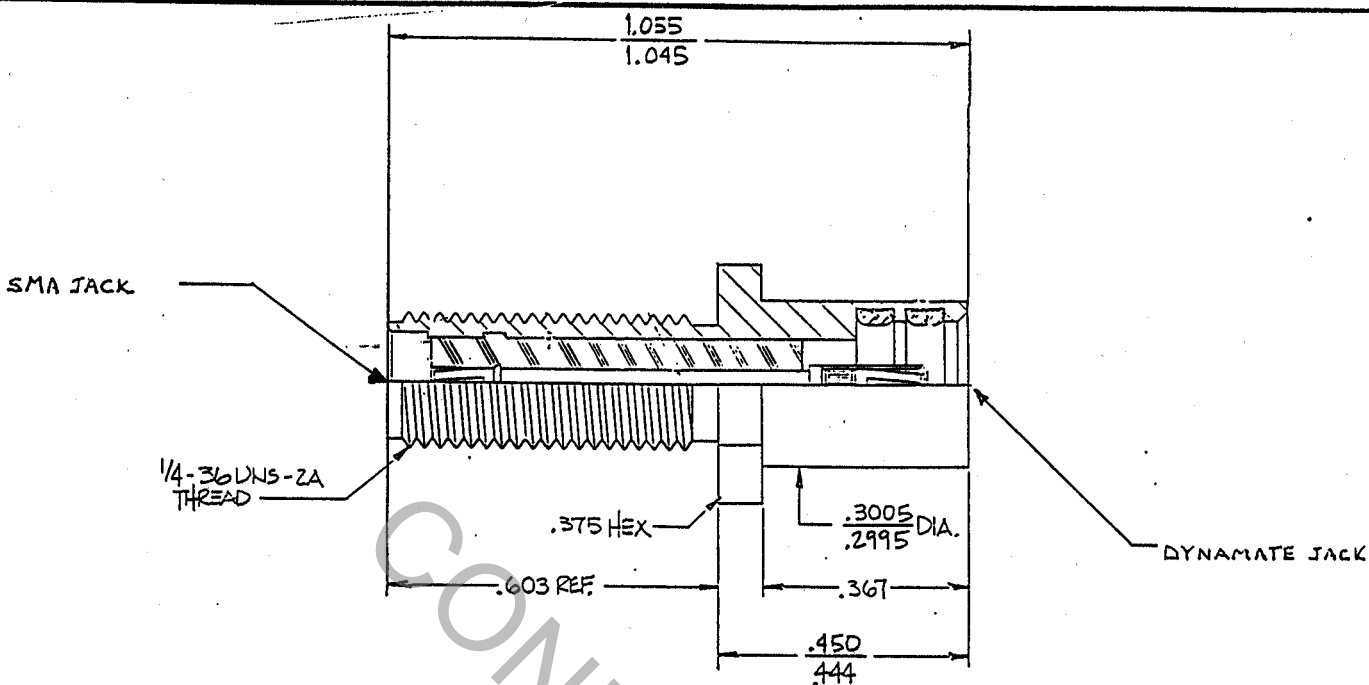


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS per MIL-STD-348, Fig. 310-2 (SMA JACK) and DYNAWAVE DRAWING MD-29 (DYNAMATE JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC to 20.0 GHz
VSWR (MAX) * (FULLY MATED)	_____	1.05 + .007 x FGHz
INSERTION LOSS (dB MAX)	_____	.035 dB x $\sqrt{\text{FGHz}}$
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)	_____	1,000
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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES			 GEORGETOWN MA. 01833
				DECIMALS	FRACTIONAL	ANGULAR	
-	637	2/89	DGG	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1'0" X° X' ± 15"	TITLE DYNAMATE, JACK SMA JACK, ADAPTER
A	656	4/89	DGG	SURFACE ROUGHNESS 63 √ MIL-STD-10.			
				DRAWN RF	DATE 2/89		
				APPROVED DGG	DATE 2/89		
				CODE IDENT. 2J899	Sheet 1 of 2	DWG. NO. 1180-2999-6237	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION - CENTER CONTACT

- MIN. AXIAL FORCE (BOTH) _____ 6.0 LBS.
- MINIMUM RADIAL TORQUE _____ N/A

DYNAMATE ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 4.0

SMA and DYNAMATE DURABILITY (MIN. MATING) _____ 1.000

SMA ENGAGEMENT FORCES (TORQUE) _____ 7 - 10 INCH LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 200 ° c)

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.) (190 VRMS)

5. MATERIAL

BODY, COIL SPRINGS, L'WASHER, and JAM NUT _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A

CENTER CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173 COND. III

INSULATOR _____ TEFLON PER MIL-P-19460, AND L-P-403, TYPE I

6. FINISH

BODY, COIL SPRINGS, L'WASHER, and JAM NUT _____ PASSIVATE per QQ-P-35A, TYPE I.

CENTER CONTACT _____ GOLD per MIL-G-45204, TYPE II, GRADE C, CLASS 2
(.000100 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000100 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR _____ N/A