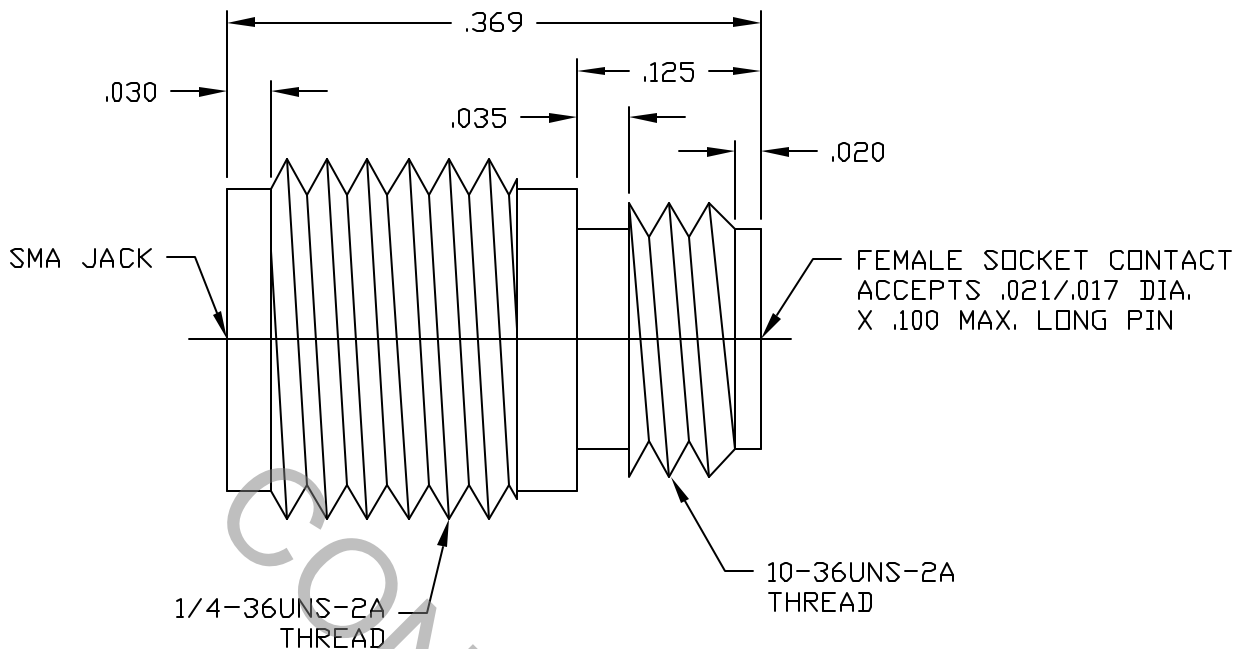


SPECIFICATION CONTROL DRAWING




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

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) *	1.05 + .010 FGHz.
INSERTION LOSS (dB MAX.) *	.03 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	335
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1000
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
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 TOLERANCES			 INCORPORATED GEORGETOWN MA. 01833
				DECIMALS	FRACTIONAL	ANGULAR	
-	011	6/85	DGG	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X° ± 1' 0" X° X' ± 15"	
				SURFACE ROUGHNESS 63 $\sqrt{\text{ML-STD 10}}$.			
				DRAWN JCA	DATE	6/85	TITLE SMA, JACK SCREW-IN
				APPROVED DGG	DATE	6/85	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9930-0081-6226
				2J899			

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) _____ INTERFACE 48.0; REAR 32.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0; REAR 1.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE

INTERFACE _____ 7 - 10 IN. LBS.

PACKAGE _____ 27 - 30 IN. 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 (2D 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.) (250 VRMS)

5. MATERIAL

BODY _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.

INSULATOR _____ TEFLON PER MIL-P-19468, AND L-P-403, TYPE I

6. FINISH

BODY _____ PASSIVATE PER QQ-P-35A, TYPE I

CONTACT _____ GOLD per ATSM B 488, TYPE I, CODE C, CLASS 2.5
(.000100 Minimum Thickness) OVER NICKEL per
QQ-N-290, (.000050 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR _____ N/A