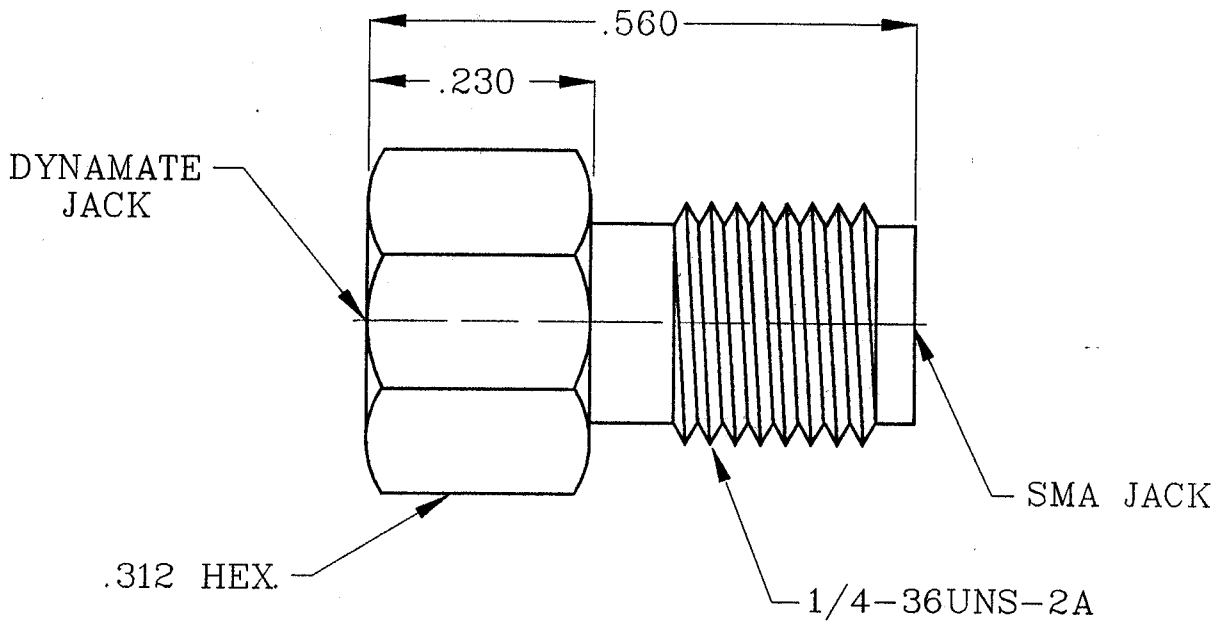


SPECIFICATION CONTROL DRAWING



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 TOLERANCES			INCORPORATED GEORGETOWN MA. 01833
-	753	6/90	T.S.	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15"	
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.			
				DRAWN T.S.	DATE 6/90	TITLE DYNAMATE, JACK SMA, JACK ADAPTER	
				APPROVED <i>D.S.</i>	DATE 6/90		
				CODE IDENT. 2J899	SHEET 1 of 2	DWG. NO. 1100-2999-6255	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE (BOTH) _____ 6.0 LBS.
- MIN. 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 108, 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

CONNECTOR BODY AND COIL SPRINGS _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A

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

INSULATOR _____ TEFLON PER D-1457

CENTER CONTACT HOOD _____ BRASS PER QQ-B-828, 1/2 HARD, ALLOY 360

6. FINISH

CONNECTOR BODY AND COIL SPRINGS _____ PASSIVATE PER QQ-P-35A, TYPE I.

CENTER CONTACT ASSEMBLY _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2, (.000100 MINIMUM THICKNESS) OVER NICKEL PER QQ-N-290, CLASS I (.000100 MINIMUM THICKNESS) OVER COPPER PER MIL-C-14550 (.000010 MINIMUM THICKNESS).

INSULATOR _____ N/A

dynawave
INCORPORATED

SHEET 2 of 2

DWG.
NO.

1100-2999-6255

REV.

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