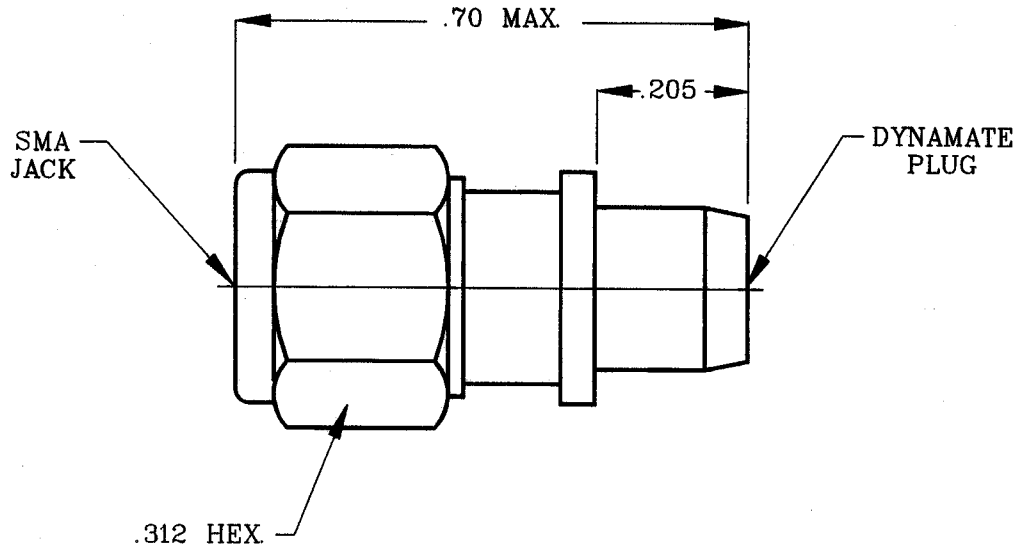


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 310.1) SMA, PLUG AND DYNAWAVE SPECIFICATION MD-28 (DYNAMATE, PLUG).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 20.0 GHz.
VSWR (MAX) *	1.05 + .007 x FGHz.
INSERTION LOSS (dB MAX.) *	.035 dB x \sqrt{FGHz} .
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	N/A
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			 <small>INCORPORATED</small> GEORGETOWN MA. 01833
-	1074	3/94	T.S.	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030	± 1/64	X° ± 1' 0"	TITLE DYNAMATE, PLUG TO SMA, JACK ADAPTER
				.XX ± .010		X' ± 15"	
				.XXX ± .005			DWG. NO. 1100-2898-6250
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN	T.S.	DATE 3/94	
				APPROVED	DGG	DATE 3/94	
				CODE IDENT.	SHEET 1 OF 2		
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

DYNAMITE ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ N/A
- WITHDRAWAL (MIN. OUNCES) _____ N/A

DYNAMITE DURABILITY (MIN. MATING) _____ 1,000

RECOMMENDED MATING TORQUE (SMA, PLUG) _____ 7-10 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 (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 COUPLING NUT _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A
 CENTER CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM B196, COPPER ALLOY
 UNS C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER D-1457

GASKET _____ SILICONE RUBBER PER ZZ-R-785 CLASS IIB, GRADE 50 OR 60

6. FINISH

CONNECTOR BODY AND COUPLING NUT _____ PASSIVATE PER QQ-P-35A, TYPE I.

CENTER CONTACT _____ GOLD PER MIL-G-46204, 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, RETAINING RING AND GASKET _____ N/A

dynawave
INCORPORATED

SHEET 2 OF 2

DWG.
 NO.

1100-2898-6250

REV.

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