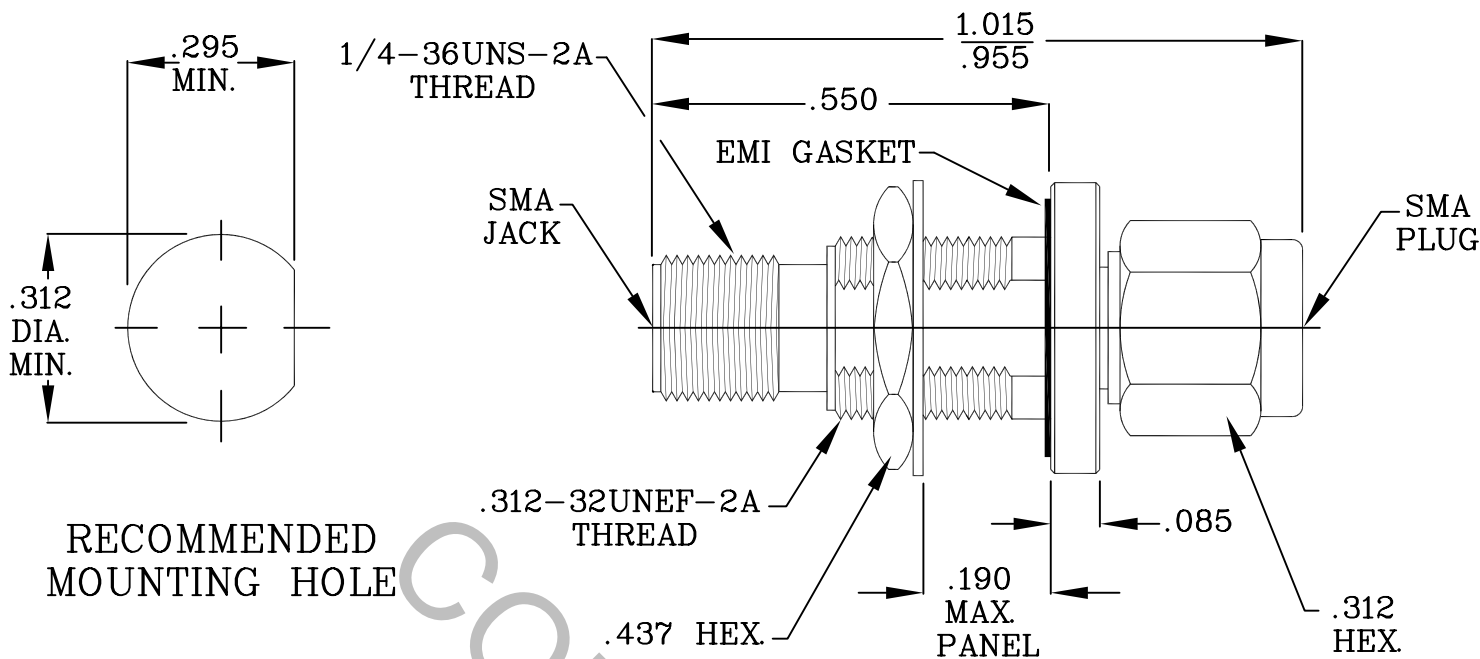


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 310.2) SMA, JACK AND MIL-STD-348A (Fig. 310.1) SMA, PLUG.

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz.
VSWR (MAX) *	_____	1.05 + .010 x FGHz.
INSERTION LOSS (dB MAX) *	_____	.045 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)	_____	1,500
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			dynawave INCORPORATED HAVERHILL, MA 01835	
AA	07-1779			DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15"		
				SURFACE ROUGHNESS 63 √ MIL-STD 10.				
				DRAWN	TS	DATE	8/3/07	TITLE SMA, PLUG TO SMA, JACK BULKHEAD ADAPTER WITH EMI GASKET
				APPROVED	DC	DATE	8/3/07	
				CODE IDENT.				DWG. NO. 1117-9899-6287
				2J899	SHEET 1 OF 2			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

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

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ 24.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

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.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY, COUPLING NUT, LOCKNUT _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
AND LOCKWASHER

CENTER CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM B 196/B, 196M-03, COPPER
ALLOY No. UNS C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.

SMA GASKET _____ SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50 OR 60

FLANGE GASKET _____ SILVER PLATED COPPER IN SILICONE.

6. FINISH

CONNECTOR BODY, COUPLING NUT, LOCKNUT _____ PASSIVATE PER AMS QQ-P-35, TYPE 2.
AND LOCKWASHER

CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 2.5
(.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR, O'RING, GASKETS AND RETAINING RING _____ N/A