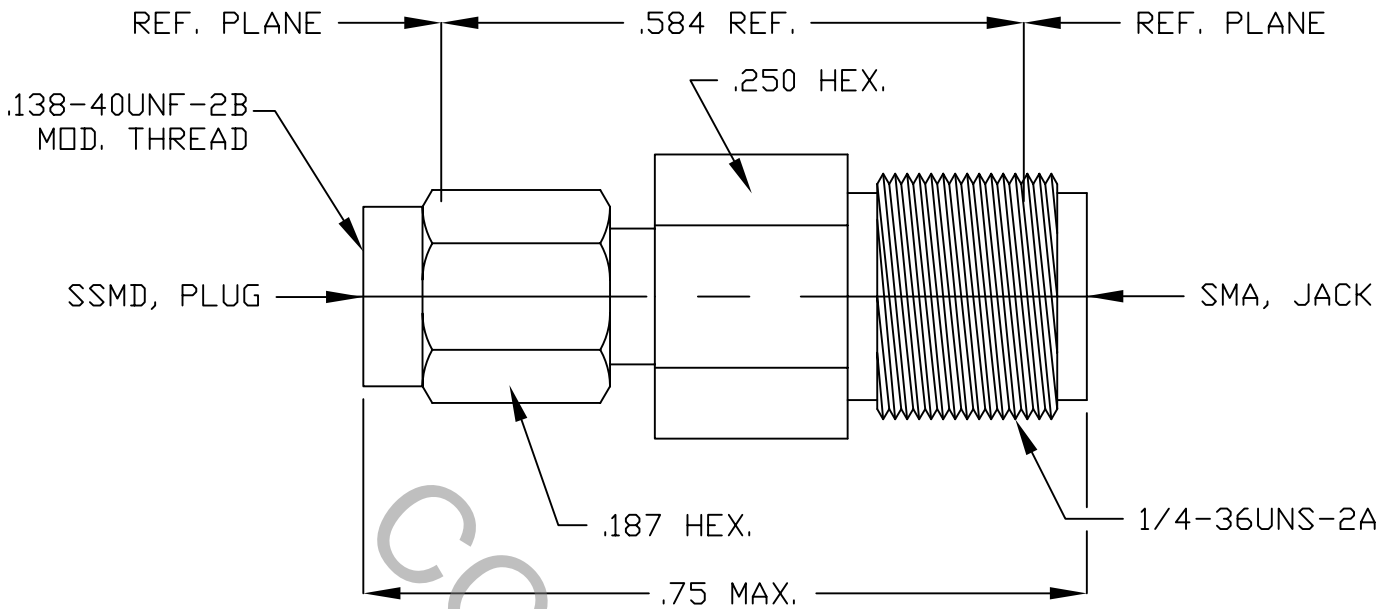


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE MD-52 (SSMD PLUG) AND MIL STD 348, FIG. 326-2 (SMP, JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz.
VSWR (MAX.) *	1.10 + .010 x FGHz
INSERTION LOSS (dB MAX.)	.045 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	85dB-FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	4.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 Haverhill, MA 01835
AA	00-1082	8/18/00	DGG	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1.0' XX' ± 15'	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN: KLF DATE: 8/18/00			TITLE ADAPTER SMA, JACK TO SSMD, PLUG
				APP: DGG DATE: 8/18/00			
				CODE IDENT.			DWG. NO. 1100-5299-6250
				2J899	SHEET 1 OF 2		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

SMA CENTER CONTACT ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 32.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

SMA, ENGAGEMENT FORCES _____ 7 - 10 IN. LBS.

- SSMD MATING TORQUE _____ 3-5 IN. LBS.
- SMA, CONNECTOR DURABILITY (MIN. MATING) _____ 1,000
- SSMD, CONNECTOR DURABILITY (MIN. MATING) _____ 1,000

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, CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B 196-90, COPPER AND RETAINING RING _____ ALLOY UNS C173000, TEMPER TD04
- BODY AND COUPLING NUT _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
- INSULATOR _____ TEFLON PER ASTM D 4894-91
- RUBBER GASKET _____ RUBBER SILICONE, PER AMS-3304,COLOR RUST, GRADE 70.

6. FINISH

- BODY AND COUPLING NUT _____ PASSIVATE PER QQ-P-35C, TYPE VI
- CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER NICKEL PER QQ-N-290 (.000050 MIN. THK.) OVER COPPER PER MIL-C-14550 (.000010 MIN. THK.)
- INSULATOR AND RUBBER GASKET _____ N/A