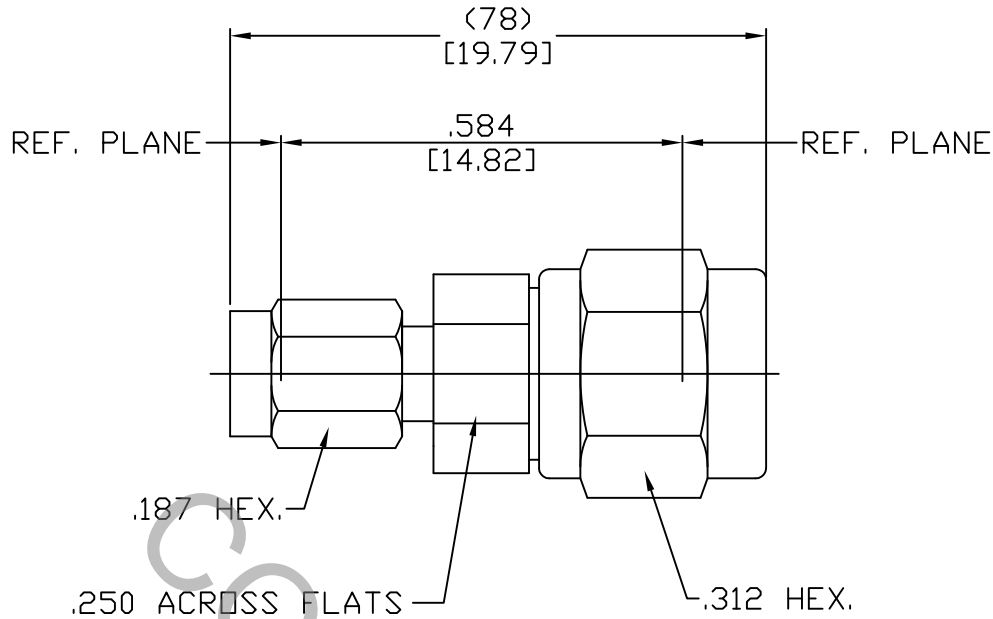


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE MD-52 (SSMD PLUG) AND MIL STD 348, FIG. 310-1 (SMA, PLUG)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz.
VSWR (MAX.) *	1.10 + .010 x FGHz
INSERTION LOSS (dB MAX.)	.045 dB x √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

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 <small>INCORPORATED</small> HAVERHILL, MA 01835
AA	11-1431	5/10/11	TS	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1.0' XX' ± 15'	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			TITLE ADAPTER SMA, PLUG TO SSMD, PLUG
				DRAWN: TS DATE: 5/10/11			
				APP: DC DATE: 5/10/11			
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 1100-5298-6250

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

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 AND COUPLING NUTS _____	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
CENTER CONTACT & RETAINING RINGS _____	BERYLLIUM COPPER PER ASTM B 196/B, 196M-03, COPPER ALLOY UNS C173000, TEMPER TD04
INSULATOR _____	TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.
RUBBER GASKETS _____	RUBBER SILICONE, PER AMS-3304,COLOR RUST, GRADE 70.

6. FINISH

BODY AND COUPLING NUTS _____	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
CENTER CONTACT _____	GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290 CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)
INSULATOR, RETAINING RINGS & RUBBER GASKET _____	N/A