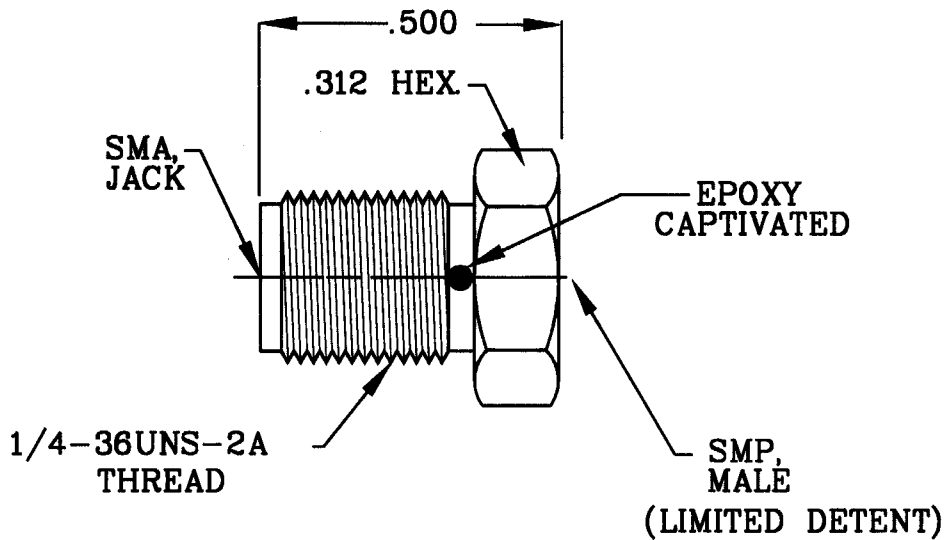


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPEC. MD-21-7 AND MD-99 (MIL-STD-348, Fig. 310-2 & 326-3).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX) *	_____	1.05 + .006 x FGHz.
INSERTION LOSS (dB MAX) *	_____	.030 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	85 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65 ° c TO +165 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 GEORGETOWN MA 01833
				DECIMALS X ± .030 XX ± .010 XXX ± .005	FRACTIONAL 3/64	ANGULAR X ° ± 1 0' X ° X' ± 15'	
-	1170	9/95	T.S.				
AA	03-1435	4-2-03	h.c.				
				DRAWN	T.S.	DATE 9/95	TITLE SMP, MALE (LIMITED DETENT) TO SMA, JACK ADAPTER
				APPROVED	h.c.	DATE 9/95	
				CODE IDENT.			DWG. NO. 1100-2199-6257
				2J899	SHEET 1 OF 2		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 2.0 LBS.
- MIN. RADIAL TORQUE _____ 4.0 IN. OZ.

SMA ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

SMP

- FORCE TO ENGAGE _____ 10.0 LBS. MAX.
- FORCE TO DISENGAGE _____ 2.0 LBS. MIN.

CONNECTOR DURABILITY (MIN. MATING) _____ 500

RADIAL MIS-ALIGNMENT (INCHES) _____ +/- .020

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 °c TO + 165 °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

CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS C17300, TEMPER TD04.

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 582 , TYPE 303 , COND.A

INSULATOR _____ TEFLON PER D 1457.

6. FINISH

BODY _____ PASSIVATE PER QQ-P-35A

CENTER CONTACT _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2
(.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR _____ N/A

dynawave
INCORPORATED

SHEET 2 OF 2

DWG.
NO.

1100-2199-6257

REV.

AA