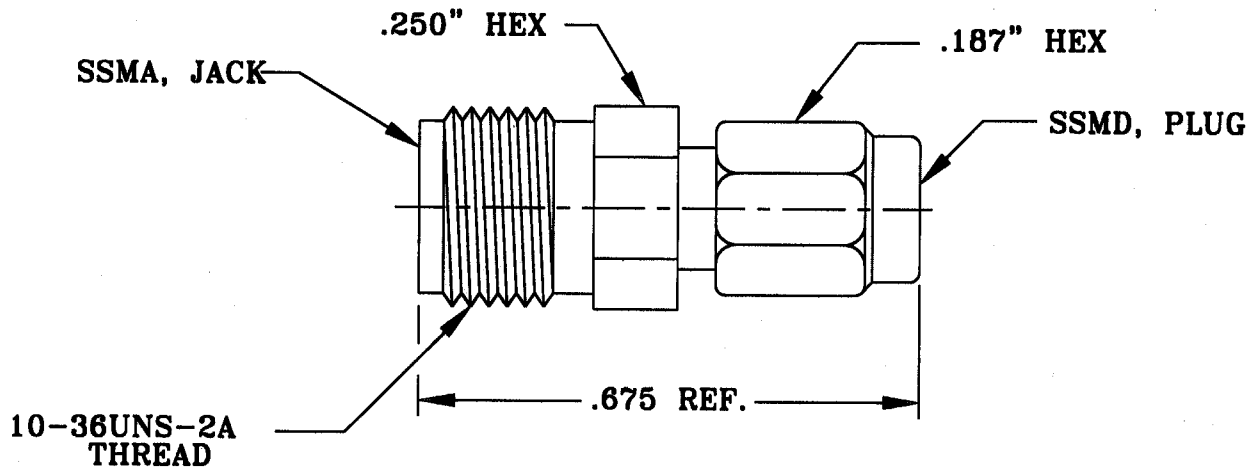


SPECIFICATION CONTROL DRAWING

DWG. NO. 1100-5293-6250



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE MD-52 AND MD-93.
2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz.
VSWR (MAX) *	_____	1.07 + .010 x FGHz
INSERTION LOSS (dB MAX)	_____	.045 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	100dB-FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX VRMS)	_____	750
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 01836
AA	98-0486	6/7/99	DGG	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1.0' X'X" ± 15'	
AB	99-1263	12/27/99	AJH	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
AC	00-1333	11/9/00	DGG	DRAWN: MJM DATE: 6/7/99		TITLE SSMA, JACK TO SSMD, PLUG ADAPTER	
				APP: DGG DATE: 6/7/99			
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 1100-5293-6250	

SPECIFICATION CONTROL DRAWING

DWG. NO. 1100-5293-6250

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

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

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES), (SSMA) _____ 32.0
- WITHDRAWAL (MIN. OUNCES), (SSMA) _____ 1.5

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING INTERFACE TORQUE

- SSMA, JACK _____ 8.0 TO 8.0 in/lbs.
- SSMD, PLUG _____ 3.5 TO 6.0 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 106, LESS STEP 7b

CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)

BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 106, COND. C (70,000 FT.) (190 VRMS)

5. MATERIAL

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

CENTER CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM B 198, COPPER ALLOY UNS C17300.

INSULATOR _____ TEFLON PER ASTM D 4894-91

GASKET _____ RUBBER, SILICONE PER AMS-3304, COLOR RUST, GRADE 70.

6. FINISH

COUPLING NUT, CONNECTOR BODY _____ 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-14560
(.000010 MIN. THK.)

INSULATOR, RETAINING RING AND GASKET _____ N/A

dynawave
INCORPORATED

SHEET 2 OF 2

DWG.
NO.

1100-5293-6250

REV.

AC