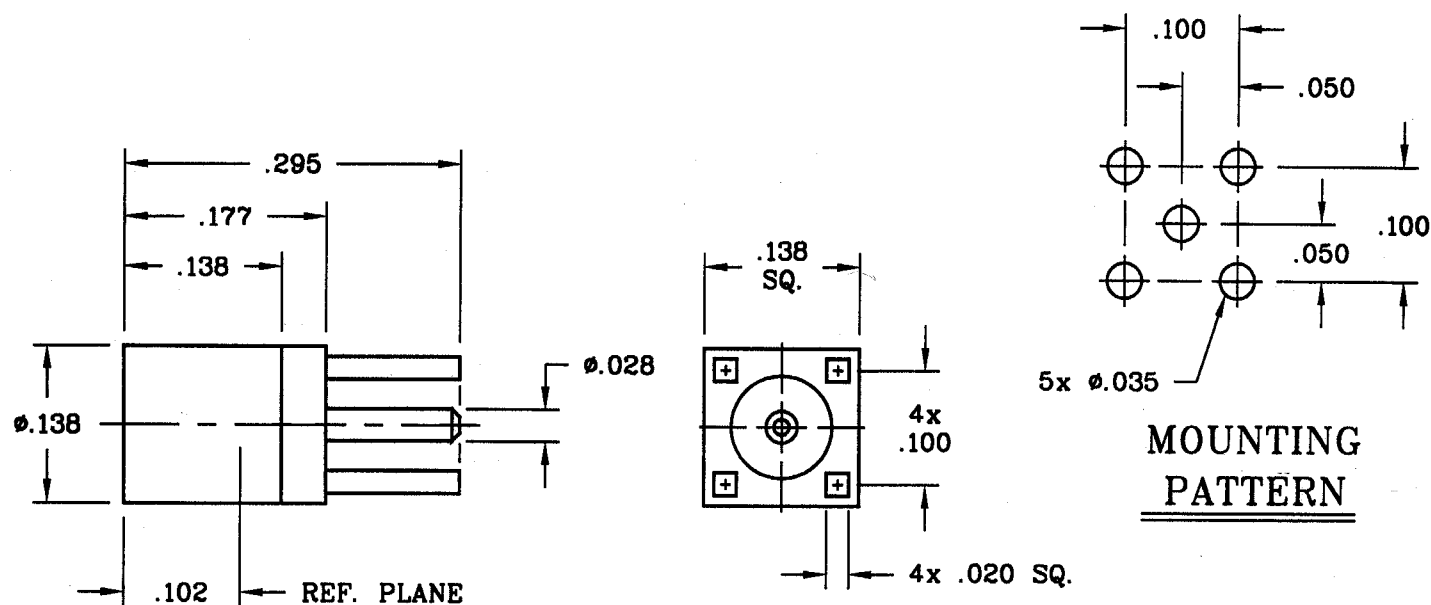


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-25.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 6 GHz.
VSWR (MAX.) *	1.25
INSERTION LOSS (dB MAX.)	.050 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	70 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-55°c TO + 155°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	1,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	5.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.5

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 INCORPORATED HAVERHILL, MA 01835
AA	02-1087	12/12/02	DGG	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'	
				DRAWN G.E. DATE 12/09/02			
				APPROVED DGG DATE 12/12/02			
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 2520-0031-2401

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MAX AXIAL FORCE 2.3 LBS.
- MAX RADIAL TORQUE N/A

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX LBS.) 3.4
- WITHDRAWAL (MIN. LBS.) 1.4

CONNECTOR DURABILITY (MIN. CYCLES) 500

4. ENVIRONMENTAL

- TEMPERATURE CYCLING MIL-STD-202, METHOD 102, COND. C (-55 ° c TO + 155 ° c)
- SHOCK MIL-STD-202, METHOD 107, COND. F (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 BRASS PER ASTM B16, TEMPER H02, ALLOY C36000
- CENTER CONTACT BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY NO. UNS V17300 TEMPER TD04.
- INSULATOR TEFLON PER D 1457.

6. FINISH

- CONNECTOR BODY GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 0.70 (.000030 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER MIL-C-14550 (.000010 MIN. THK).
- CENTER CONTACT GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 0.75 (.000030 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER MIL-C-14550 (.000040 MIN. THK).
- INSULATOR N/A



SHEET 2 OF 2

DWG.
NO.

2520-0031-2401

REV.

AA