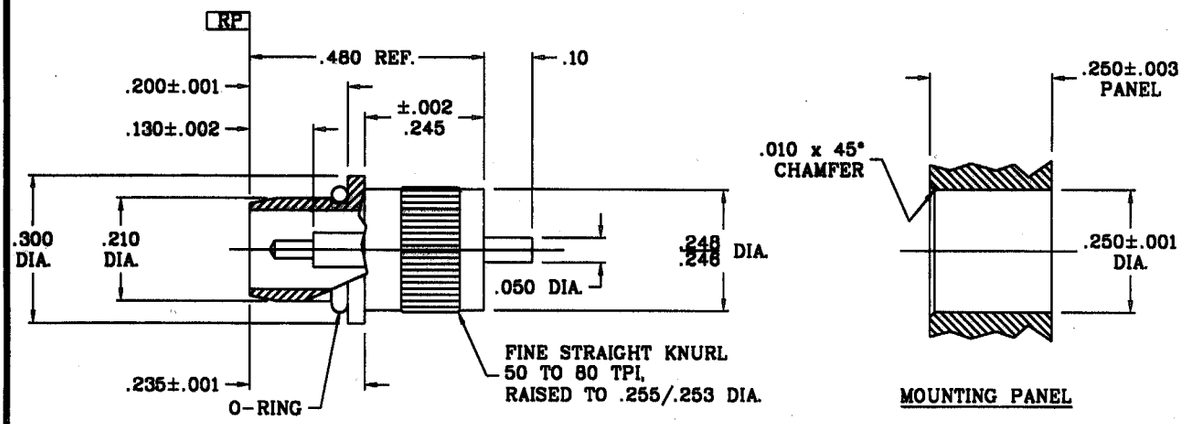
SPECIFICATION CONTROL DRAWING

DWG. NO. 2840-0032-6250



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE MD-28 (DYNAMATE PLUG)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 3.0 GHz.
VSWR (MAX.) ✱	1.07:1
INSERTION LOSS (dB MAX.)	.1
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	85dB-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)	12.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

✱ TERMINATED IN A 50 OHM LOAD

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REV.	DCN NO.	DATE	APP.
AA	00-0395	3/24/00	

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ±.030 .XX ±.010 .XXX ±.005	± 1/64	X°±1.0' X°X'±15'

SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN: [illegible] DATE: 3/24/00

APP: [illegible] DATE: 3/24/00

TITLE
DYNAMATE , PLUG
PRESS-IN, .050 DIA. x .100
LONG TERMINAL

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 2840-0032-6250

SPECIFICATION CONTROL DRAWING

DWG. NO. 2840-0032-6250

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MIN. AXIAL FORCE ——— 6.0 LBS.
- MIN. RADIAL TORQUE ——— 1.5 IN. OZ.

DYNAMATE ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) ——— 48.0
- WITHDRAWAL (MIN. OUNCES) ——— 4.0

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)

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5. MATERIAL

CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196-90, COPPER ALLOY UNS C17300. TEMPER TD04
BODY	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
INSULATOR	TEFLON PER ASTM D 4894-91

6. FINISH

BODY	PASSIVATE PER QQ-P-35A, TYPE I
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 O-RING	N/A