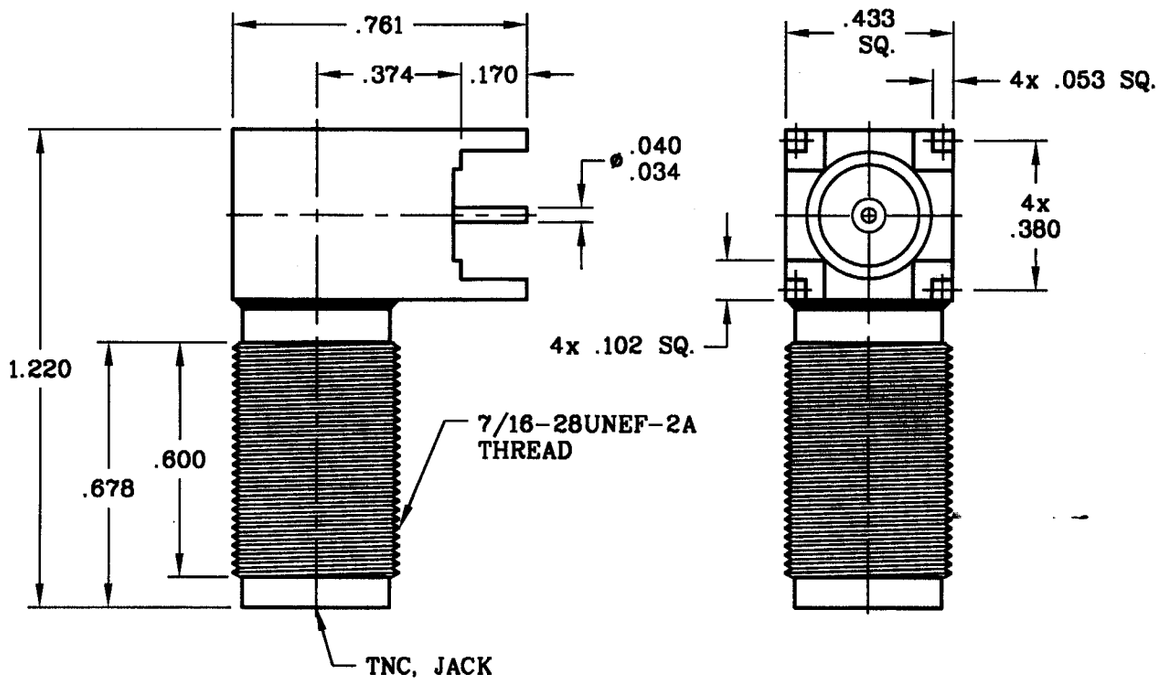
SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR TNC, JACK PER MIL-STD-348 (Fig. 313-2).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 3.0 GHz.
VSWR (MAX.)	1.05 + .015 x FGHz.
INSERTION LOSS (dB MAX.)	.15 dB
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	500
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO + 165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	4.0
• OUTER CONTACT (MAX. MILLIOHMS)	1.5
POWER RATING @ +125° c	1.0GHz = 800 WATTS MAX. 3.0GHz = 400 WATTS MAX.

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REV.	DCN NO.	DATE	APP.
AA	03-1053	1/14/03	BW

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ±.030 .XX ±.010 .XXX ±.005	±1/64	X °±1 0' X °X'± 15'

DRAWN G.E. DATE 01/14/03

APPROVED DATE

CODE IDENT. 2J899

SHEET 1 OF 2

dynawave INCORPORATED
HAVERHILL, MA. 01835

TITLE TNC, JACK
RIGHT ANGLE
PC MOUNT
.037 DIA. TERMINAL

DWG. NO. 8321-0031-2762

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
MAX. AXIAL FORCE	6.1 LBS.
MAX. RADIAL TORQUE	N/A
CENTER CONTACT AXIAL FORCES	
● INSERTION (MAX. OUNCES)	32.0
● WITHDRAWAL (MIN. OUNCES)	1.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	1,000
RECOMMENDED MATING TORQUE	N/A

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.) (625 VRMS)

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5. MATERIAL

BODY ASSY. AND PRESS RINGS	BRASS PER QQ-B-626, HALF HARD.
CONTACTS	BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.
INSULATORS	TEFLON PER D 1457.

6. FINISH

BODY ASSY AND PRESS RINGS	NICKEL PER QQ-N-290, CLASS 1 (.000200 MIN. THK.), ADD BRIGHTNERS TO OBTAIN BRIGHT APPEARANCE OVER COPPER PER MIL-C-14550.
CONTACTS	GOLD per ATSM B 488, TYPE 2, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER COPPER PER MIL-C-14550 (.000010 MIN. THK.).
INSULATORS	N/A