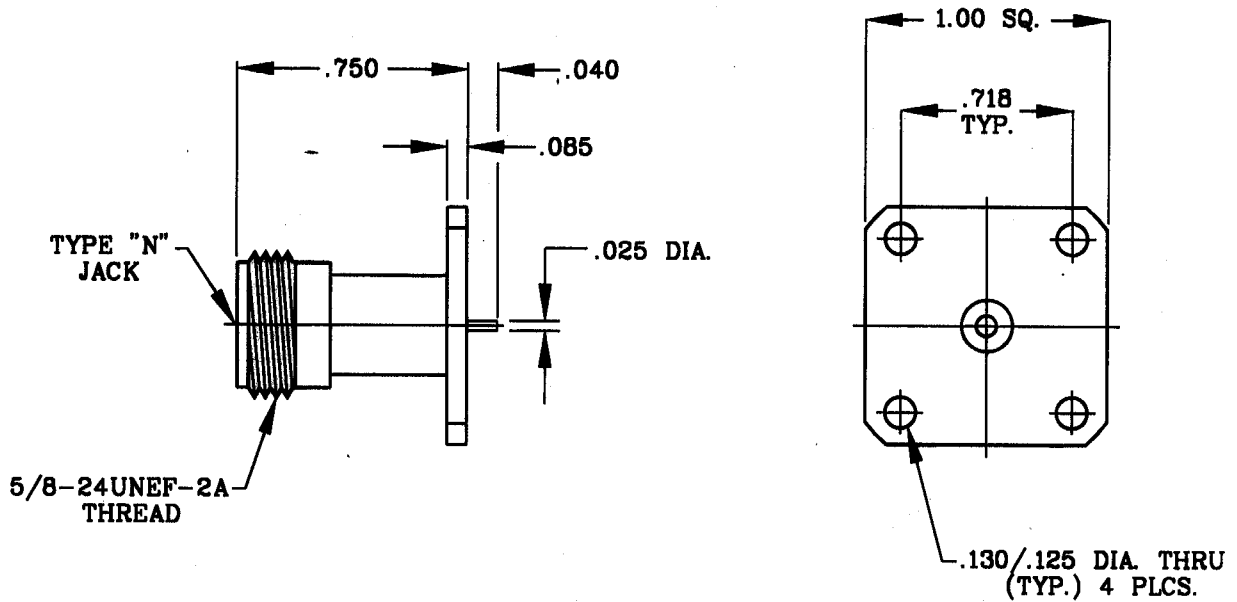


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (FIG. 304-2) AND DYNAWAVE SPECIFICATION MD-75.

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz.
VSWR (MAX) *	_____	1.07 + .010 x FGHZ.
INSERTION LOSS (dB MAX.)	_____	.050 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX VRMS)	_____	500
RF LEAKAGE (MIN. dB DOWN)	_____	90 dB - FGHZ.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX VRMS)	_____	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	1.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 INCORPORATED HAVERHILL, MA. 01835
AA	01-1058	11/1/01	DGG	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ±1/64	ANGULAR X° ± 1'0" X' ± 15"	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			TITLE TYPE "N", JACK 4 HOLE SQ. FLANGE .025 DIA., TERMINAL
				DRAWN <i>KUT</i> DATE 11/01/01			
				APPROVED <i>DGG</i> DATE 11/1/01			
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 7554-0031-6225

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 32.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0
- CONNECTOR DURABILITY (MIN. MATING) _____ 1,000

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 108, 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.) (375 VRMS)

5. MATERIAL

- CONNECTOR BODY _____ STAINLESS STEEL PER ASTM 581, FREE MACHINING, TYPE 303, COND. A
- CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.
- INSULATOR _____ TEFLON PER D 4894

6. FINISH

- CONNECTOR BODY _____ PASSIVATE PER QQ-P-35C, TYPR IV
- 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-14560 (.000010 MIN.)
- INSULATOR _____ N/A

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SHEET 2 OF 2

DWG.
NO.

7554-0031-6225

REV.

AA