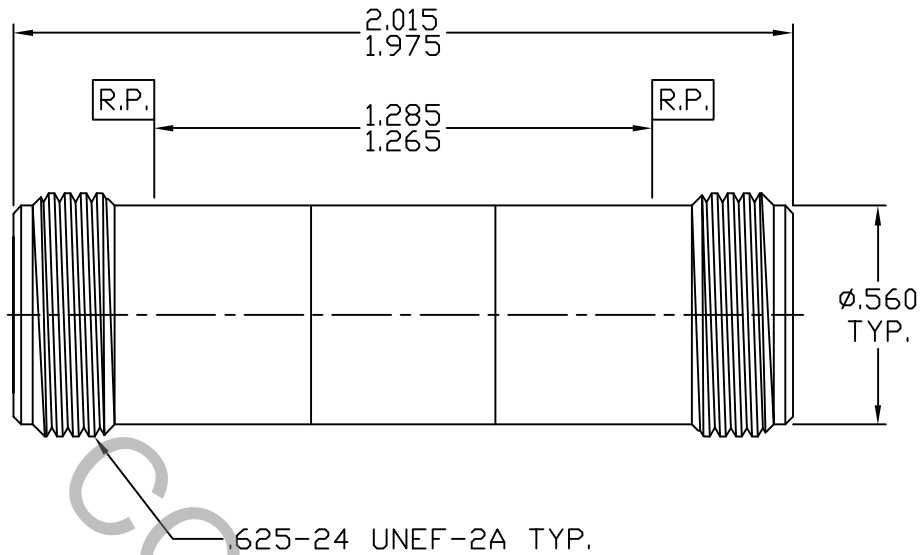


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 304.2 (N JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX) *	1.06 + .008 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			 HAVERHILL, MA. 01835
AA	07-1598	6/12/07	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1'0" X° X' ± 15"	
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.			TITLE N JACK TO N JACK ADAPTER
				DRAWN	DC	DATE 6/12/07	
				APPROVED	DC	DATE 6/12/07	
				CODE IDENT. 2J899		SHEET 1 OF 2	DWG. NO. 1100-7575-2720

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

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

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ 32.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0
- CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0
- CONNECTOR DURABILITY (MIN. MATING) _____ 500
- RECOMMENDED MATING TORQUE _____ 10 TO 15 IN./ LBS.

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 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.) (375 VRMS)

5. MATERIAL

- CONNECTOR BODY _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.
- CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196, COPPER ALLOY UNS-C-17300, TEMPER TD04
- INSULATOR _____ TEFLON PER ASTM-D-1710

6. FINISH

- CONNECTOR BODY _____ NICKEL PER QQ-N-290, CLASS 1
(.000200 MIN.) OVER COPPER PER MIL-C-14550
(.000010 MIN.)
- CENTER CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5
(.000100 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.000050 MIN.) OVER COPPER PER MIL-C-14550
(.000010 MIN.)
- INSULATOR _____ N/A