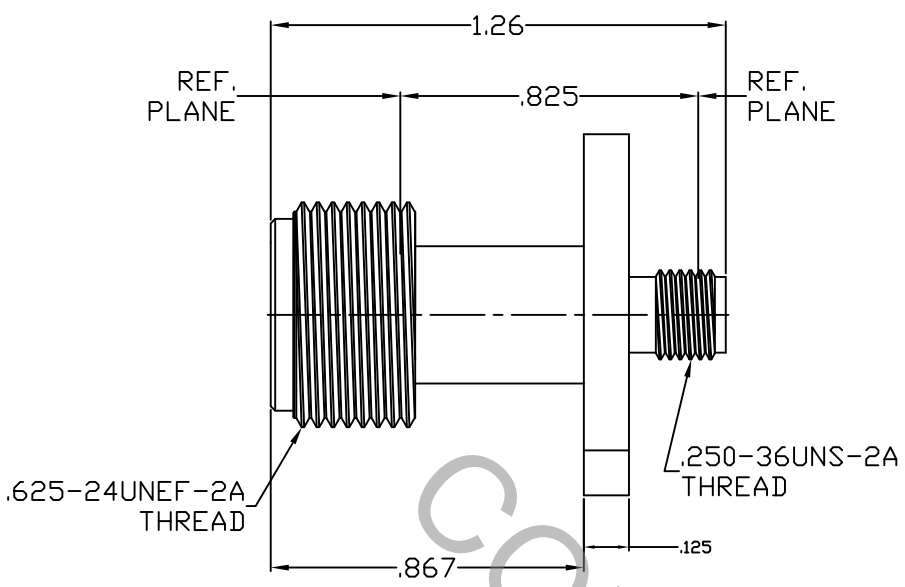
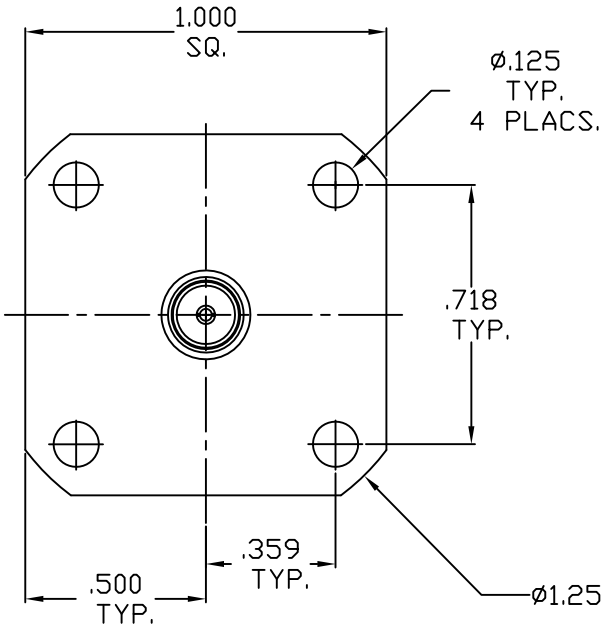
SPECIFICATION CONTROL DRAWING





1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 313.2) TYPE "N" JACK. AND INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 310.2) SMA, JACK.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) ❋	1.10 + .015 x FGHz.
INSERTION LOSS (dB MAX.) ❋	.060 dB x $\sqrt{\text{FGHz.}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	600
RF LEAKAGE (MIN. dB DOWN)	60 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO +150° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	14-1649	5/23/14	TS

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 TS DATE 5/23/14

APPROVED DC DATE 5/23/14

TITLE TYPE "N" JACK TO SMA JACK, HERMETIC 4 HOLE FLANGE ADAPTER

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 1120-7599-6201

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. CYCLES) — 500

RECOMMENDED MATING TORQUE
- INTERFACE — 15–18 In.Lbs.
- PACKAGE — 30–35 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.) (450 VRMS)
HERMETICITY	1×10^{-8} cc/sec

5. MATERIAL

CONNECTOR BODY	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196/B, 196M–03, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATORS	TEFLON PER ASTM D 1710–02, TYPE 1, GRADE 1, CLASS B.
GLASS PIN	KOVAR PER MIL–I–23011
GLASS	CORNING 7070

6. FINISH

CONNECTOR BODY	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
CENTER CONTACT	GOLD PER ASTM–B–488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN.) OVER NICKEL PER SAE AMS QQ–N–290, CLASS 1 (.000050 MIN.) OVER COPPER PER AMS 2418 (.000010 MIN.)
GLASS PIN	GOLD PER ASTM–B–488, TYPE I, CODE C (.000025 MIN.) OVER NICKEL PER QQ–N–290 (.00010 MIN.)
INSULATORS	N/A