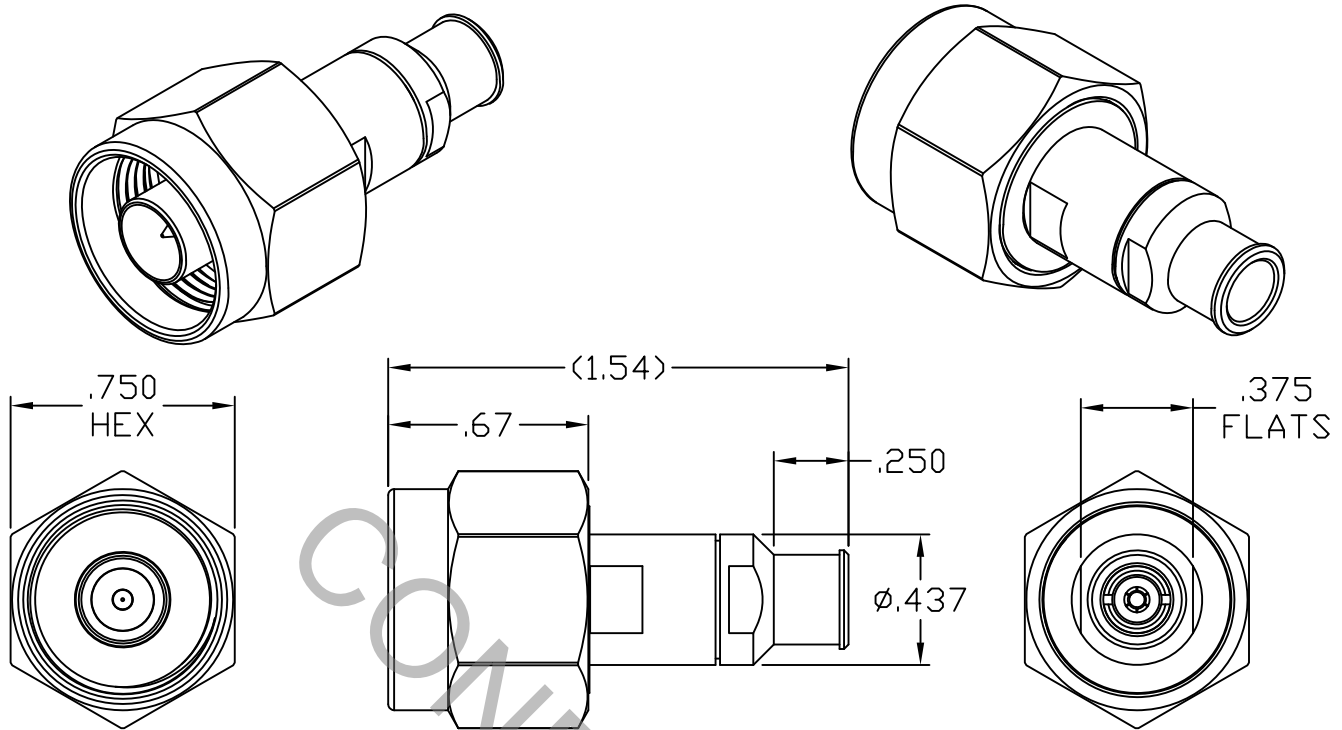


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 304.1 (N PLUG) WITH SOLID OUTER.

2. ELECTRICAL

FREQUENCY RANGE GHz _____ DC TO 18.0 GHz
 VSWR (MAX) * _____ 1.08 + .007 x FGHz
 INSERTION LOSS (dB MAX) * _____ .08 dB x $\sqrt{\text{FGHz}}$
 NOMINAL IMPEDANCE (OHMS) _____ 50
 VOLTAGE RATING (MAX. VRMS) _____ 333
 RF LEAKAGE (MIN. dB DOWN) _____ -100 dB - FGHz
 TEMPERATURE RATING (DEGREES CENTIGRADE) _____ -65°C TO + 165°C
 DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) _____ 1,000
 INSULATION RESISTANCE (MIN. MEGOHMS) _____ 5,000
 CONTACT RESISTANCE
 • CENTER CONTACT (MAX. MILLIOHMS) _____ 1.5
 • OUTER CONTACT (MAX. MILLIOHMS) _____ 2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 CABLE INCORPORATED HAVERHILL, MA 01835
AA	12-1006	1/3/12	DC	DECIMALS	FRACTIONAL	ANGULAR	
BA	12-2189	11/29/12	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1° 0' X ° X' ± 15'	
				DRAWN DC DATE 1/3/12			TITLE N PLUG, SOLDER CLAMP, DF126, PLUG-IN CONTACT
				APPROVED DC DATE 1/3/12			
				CODE IDENT. 6DZL5	SHEET 1 OF 2		DWG. NO. 7400-126H-6240

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 6.0 LBS.

MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ N/A

● WITHDRAWAL (MIN. OUNCES) _____ N/A

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 20 - 23 IN. LBS.

4. ENVIRONMENTAL

THERMAL SHOCK _____ MIL-STD-202, METHOD 107, COND. B (-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.) (250 VRMS)

5. MATERIAL

BODY, BUSHING, CLAMP NUT & COUPLING NUT _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
CONTACT & RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B-196-90, COPPER ALLOY
No. UNS-C17300, TEMPER TD04.

INTERFACE INSULATOR _____ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.

REAR INSULATOR _____ CROSS LINKED POLYETHYLENE.

GASKET _____ SILICONE RUBBER PER ZZ-R-765.

SOLDER SLEEVE _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.

6. FINISH

BODY, BUSHING, CLAMP NUT & COUPLING NUT _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

SOLDER SLEEVE _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL per QQ-N-290
(.000150 MIN. THK.) OVER COPPER per MIL-C-14550
(.000010 MIN. THK.)

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 0.75
(.000030 MIN. THK.) OVER NICKEL per QQ-N-290
(.000050 MIN. THK.) OVER COPPER per MIL-C-14550
(.000010 MIN. THK.)

INSULATORS, RETAINING RING & GASKET _____ N/A