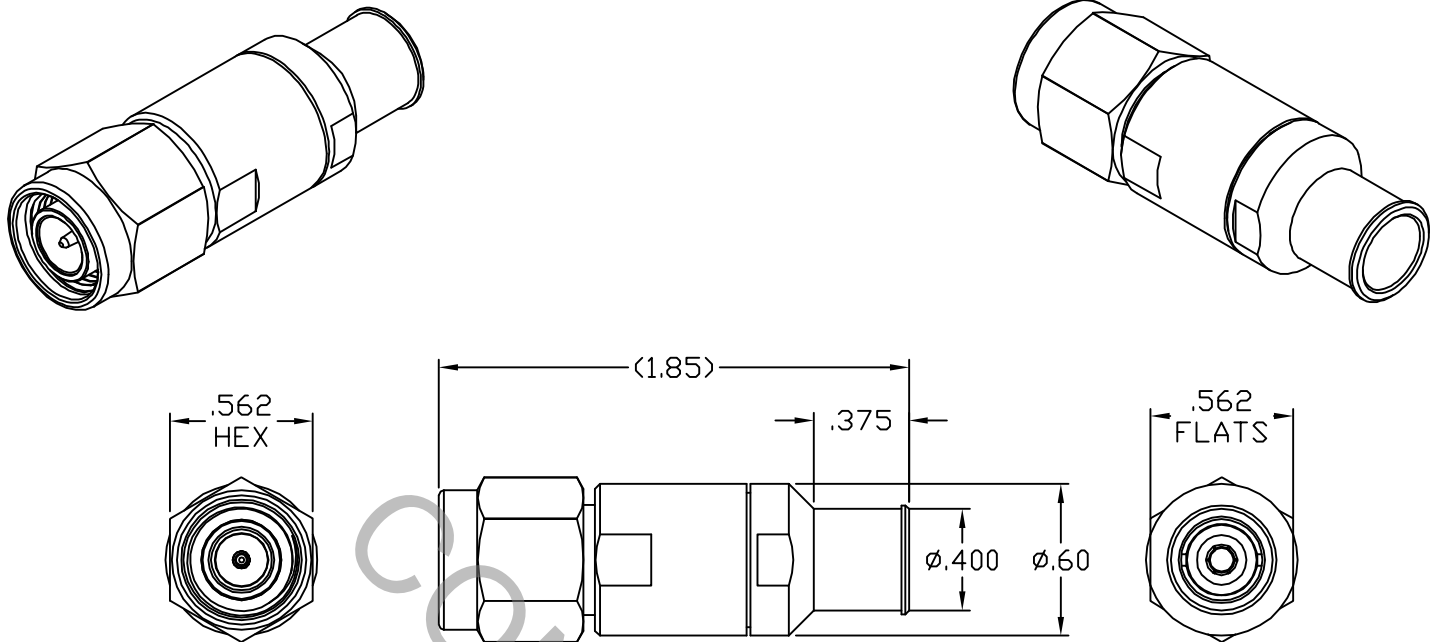


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 313.3 (TNCA PLUG) WITH SOLID OUTER.

2. ELECTRICAL

FREQUENCY RANGE GHz _____ DC TO 18.0 GHz
 VSWR (MAX.) * _____ $1.08 + .007 \times \sqrt{\text{FGHz}}$
 INSERTION LOSS (dB MAX.) * _____ $.08 \text{ dB} \times \sqrt{\text{FGHz}}$
 NOMINAL IMPEDANCE (OHMS) _____ 50
 VOLTAGE RATING (MAX. VRMS) _____ 500
 RF LEAKAGE (MIN. dB DOWN) _____ $-100 \text{ dB} - \text{FGHz}$
 TEMPERATURE RATING (DEGREES CENTIGRADE) _____ $-65^{\circ}\text{C TO } +165^{\circ}\text{C}$
 DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) _____ 1,500
 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	12-1595	7/24/12	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030		X ° ± 1° 0'	
AB	12-1735	8/27/12	DC	.XX ± .010 .XXX ± .005	± 1/64	X ° X' ± 15'	
				DRAWN TS DATE 7/24/12			TITLE TNCA PLUG, SOLDER CLAMP, PLUG-IN CONTACT T7-00065 LOW LOSS
				APPROVED DC DATE 7/24/12			
				CODE IDENT.			
				6DZL5	SHEET 1 OF 2		DWG. NO. 8400-7065-6240

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 _____ 15 - 18 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.) (375 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/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

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

REAR INSULATOR _____ CROSS LINKED POLYETHYLENE) 400° F.

GASKET & O-RING _____ 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 1.27
(.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290
CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS)
(.000010 MIN. THK.)

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290
CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418
(.000010 MIN. THK.)

INSULATORS, RETAINING RING, GASKET & O-RING _____ N/A