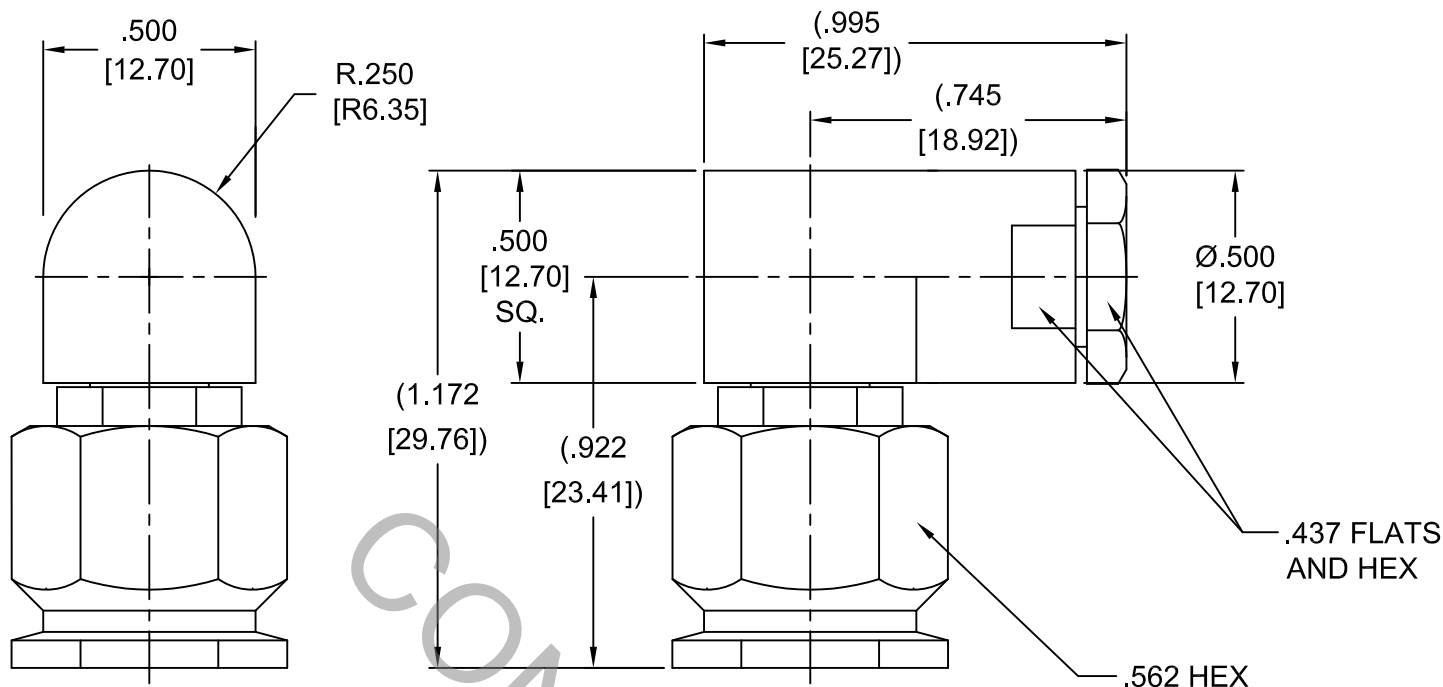


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER TYPE TNCA PLUG PER MIL-STD-348 (Fig. 313-3).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz.
VSWR (MAX) *	_____	1.10 + .008 x FGHz.
INSERTION LOSS (dB MAX) *	_____	.045 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	335
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +200° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	3.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			dynawave INCORPORATED HAVERHILL MA. 01835
AA	13-1888	6/18/13	TS	DECIMALS	FRACTIONAL	ANGULAR	
AB	13-1946	7/9/13	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1' 0" X° X' ± 15"	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN TS DATE 6/18/13			TITLE TNCA PLUG, RIGHT ANGLE, SOLDER CLAMP ATTACHMENT TO .141 SEMI-RIGID
				APPROVED DC DATE 6/18/13			
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 8401-4145-6201
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ 4.0 IN. OZ.

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

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

CONNECTOR DURABILITY (MIN. MATING) _____ 1000

RECOMMENDED MATING TORQUE _____ 15 - 20 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 200 ° 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

CONNECTOR BODY & COUPLING NUT _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.

CENTER CONTACT & RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C-17300, TEMPER TD04

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

GASKET _____ SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50 OR 60

6. FINISH

CONNECTOR BODY & COUPLING NUT _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

CENTER CONTACT _____ GOLD PER ATSM 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.)

INSULATOR, GASKET & RETAINING RING _____ N/A