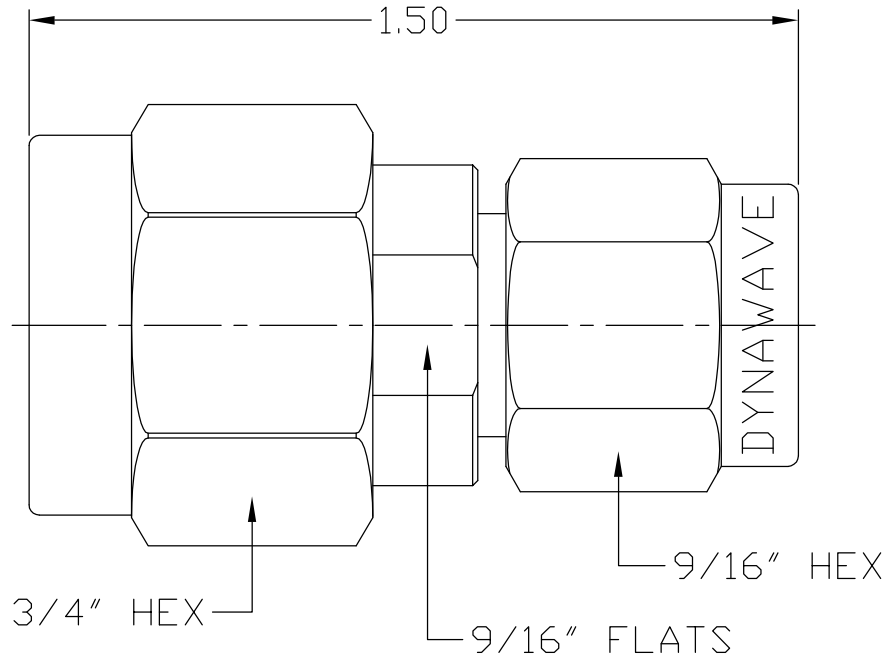


# SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS MIL-STD-348 Fig. 304.1 (N PLUG)  
WITH SOLID OUTER AND MIL-STD-348 Fig. 313.1 (TNC PLUG).

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX) *	_____	1.06 + .008 x FGHz
INSERTION LOSS (dB MAX) *	_____	.05 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	500
RF LEAKAGE (MIN. dB DOWN)	_____	-100 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)	_____	6.0
• 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	06-1974	8/10/06	DC	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030 .XX ± .010 .XXX ± .005	±/64	X ° ± 1' 0" X ° X' ± 15'	
				DRAWN DC	DATE	8/10/06	TITLE N PLUG TNC PLUG ADAPTER
				APPROVED DC	DATE	8/10/06	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.      1100-7484-6250
				2J899			

# 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 \_\_\_\_\_ 18 - 20 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

BODY & COUPLING NUTS \_\_\_\_\_ STAINLESS STEEL PER AMS 5640, TYPE 303, COND. A

CONTACT & RETAINING RINGS \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY  
No. UNS-C17300, TEMPER TD04.

INSULATORS \_\_\_\_\_ TEFLON PER ASTM D 4894-91.

GASKETS \_\_\_\_\_ SILICONE RUBBER PER ZZ-R-765

## 6. FINISH

BODY & COUPLING NUTS \_\_\_\_\_ PASSIVATE PER AMS QQ-P-35 TYPE 2

CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5  
(.000100 MIN. THK.) OVER NICKEL per QQ-N-290  
(.000050 MIN. THK.) OVER COPPER per MIL-C-14550  
(.000010 MIN. THK.)

INSULATORS, GASKETS & RETAINING RINGS \_\_\_\_\_ N/A



SHEET 2 OF 2

DWG.  
NO.

1100-7484-6250

REV.

AA