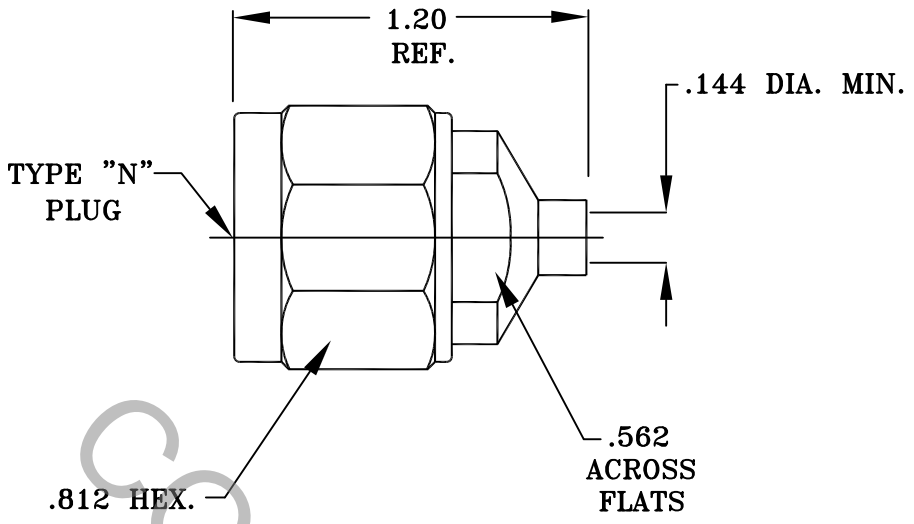
SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 304-1(TYPE "N", PLUG)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) ❋	1.10 + .010 FGHz.
INSERTION LOSS (dB MAX.)❋	.05 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 +135° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
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.
AA	07-1179	2/19/07	DC
AB	09-1129	2/10/09	DC

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 2/19/07

APPROVED DC DATE 2/19/07

TITLE TYPE "N", PLUG
STRAIGHT CABLE
DIRECT SOLDER TO
.141 SEMI-RIGID CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 7400-4121-6241

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
• MIN. AXIAL FORCE	6.0 LBS.
• MIN. RADIAL TORQUE	N/A
CENTER CONTACT AXIAL FORCES (REAR)	
• INSERTION (MAX. OUNCES)	48.0 REAR
• WITHDRAWAL (MIN. OUNCES)	2.0 REAR
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–B196/B, 196M–03 COPPER ALLOY No. UNS C–17300, TEMPER TD04
INSULATOR	TEFLON PER ASTM D1710–02, TYPE 1, GRADE 1, CLASS B.
GASKET	SILICONE RUBBER PER ZZ–R–765, CLASS IIB, GRADE 50 OR 60

6. FINISH

COUPLING NUT	PASSIVATE PER AMS QQ–P–35, TYPE 2.
CONNECTOR BODY	GOLD PER ASTM B488, TYPE 1, CODE C, CLASS 1.25 (.000050 MIN.) OVER NICKEL PER QQ–N–290, CLASS 1 (.000150 MIN.) OVER COPPER PER MIL–C–14550 (.000010 MIN.)
CENTER CONTACT	GOLD PER ASTM B488, TYPE 1, CODE C, CLASS 2.5 (.000010 MIN.) OVER NICKEL PER QQ–N–290, CLASS 1 (.00010 MIN.) OVER COPPER PER MIL–C–14550 (.000010 MIN.)
INSULATOR, GASKET & RETAINING RING	N/A