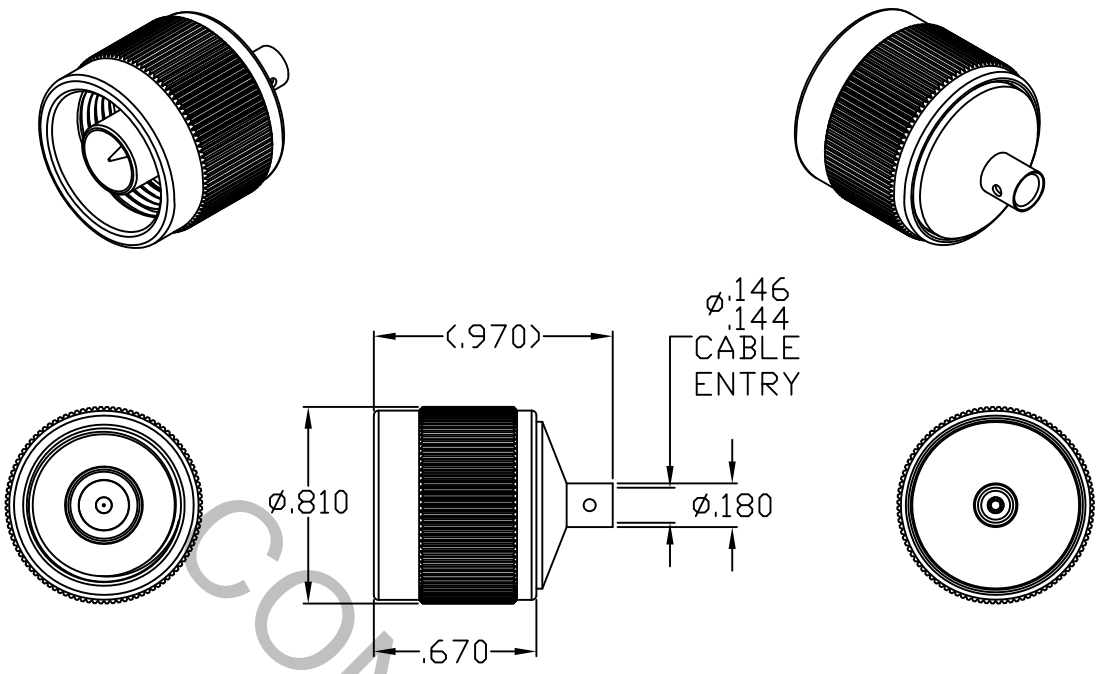
SPECIFICATION CONTROL DRAWING



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

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) ❋	1.05 + .010 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 +165° 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

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.
-	1009	9/93	M.B.
AA	15-2735	12/1/15	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 M.B. DATE 9/93

APPROVED DGG DATE 9/93

TITLE TYPE "N", PLUG
STRAIGHT CABLE
SOLDER ATTACHMENT
TO .141 S.R. CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 7400-4121-6240

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)

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5. MATERIAL

BODY & COUPLING NUT	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
CONTACT & RETAINING RING	BERYLLIUM COPPER PER ASTM B196/B 196M–03, COPPER ALLOY 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

6. FINISH

COUPLING NUT	PASSIVATE PER AMS–2700, TYPE 2, CLASS 4.
BODY	GOLD PER ASTM B 488, TYPE I, GRADE C, CLASS 0.70 (.000030 MIN.) OVER NICKEL PER SAE–AMS–QQ–N–290, CLASS 1 (.000050 MIN.) OVER NICKEL (WOODS OR WATTS) (.00010 MIN.)
CONTACT	GOLD PER ASTM B 488, TYPE I, GRADE C, CLASS 1.27 (.000050 MIN.) OVER NICKEL PER SAE–AMS–QQ–N–290, CLASS 1 (.00010 MIN.) OVER COPPER PER AMS–2418 (.000010 MIN.)
INSULATOR, GASKET & RETAINING RING	N/A