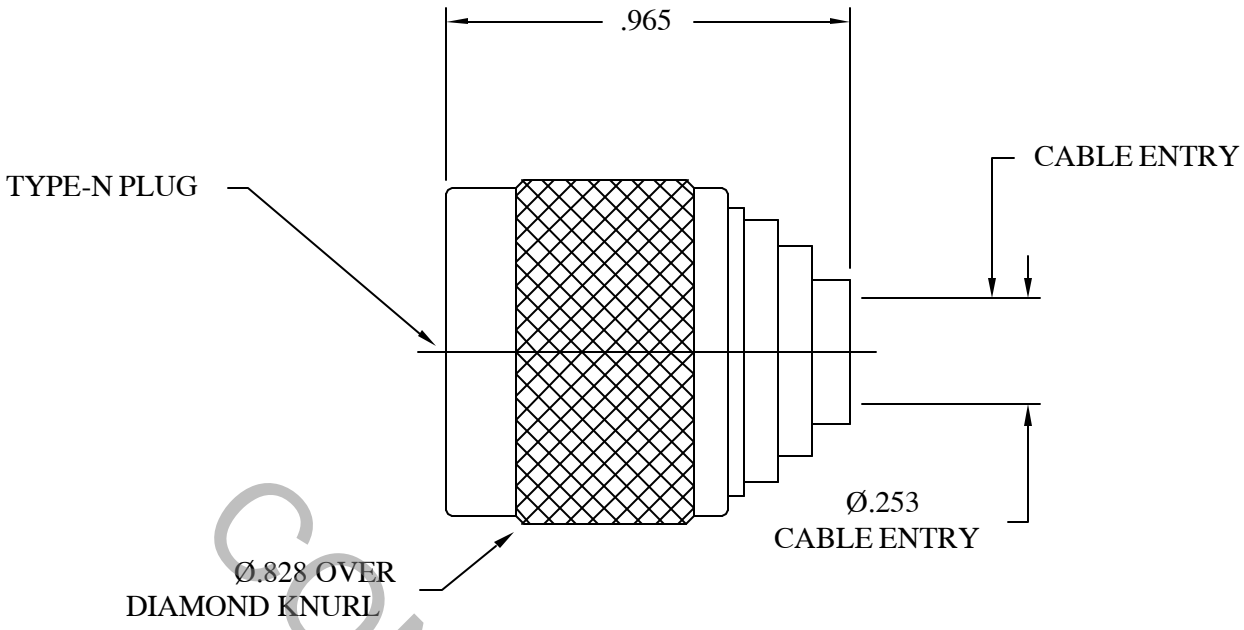
SPECIFICATION CONTROL DRAWING



CONFIDENTIAL

1. MATING

INTERFACE DIMENSIONS FOR TYPE-N PLUG per MIL-STD-348 (Fig. 304-1).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 11 GHz.
VSWR (MAX.) ❁	1.3 MAX 0-11 GHz
INSERTION LOSS (dB MAX.)	.05 dB x $\sqrt{FGHz}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	1500 VOLTS PEAK
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° TO + 165°
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	2500 VOLTS RMS
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

REV.	DCN NO.	DATE	APP.
AA	04-1412	4/1/04	DC

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ± .030	± 1/64	° ± 1°
.XX ± .010		X' ± 1'
.XXX ± .005		

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN: MRH DATE: 3/31/04

APPROVED: DC DATE: 4/1/04

TITLE
TYPE-N, PLUG
DIRECT SOLDER TO .250
DIA. SEMI-RIGID CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 7400-2520-2701

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN./LBS.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	500

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

CONNECTOR BODY AND COUPLING NUT	BRASS PER ASTM B36, TEMPER H02, ALLOY C36000
CONTACT AND RETAINING RING	BRASS PER ASTM B36, TEMPER H02, ALLOY C36000
INSULATOR	TEFLON PER ASTM D 4894-91
GASKET	SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50 OR 60.

6. FINISH

CONTACT AND CONNECTOR BODY	GOLD PER ASTM B 488, TYPE 2, CODE A, CLASS 1.5
COUPLING NUT	NICKEL PER QQ-N-290, CLASS 1
INSULATOR, GASKET, RETAINING RING	N/A