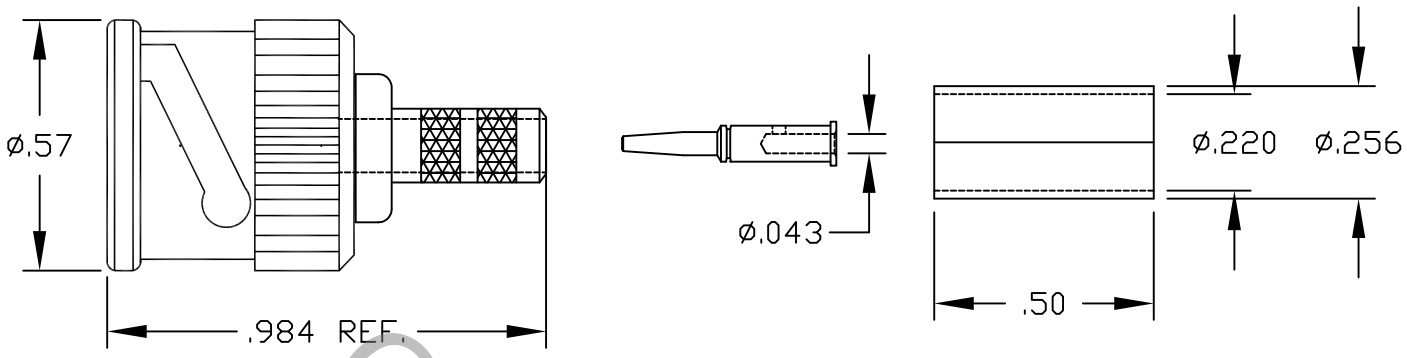
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 301.1 (BNC PLUG).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 2.0 GHz
VSWR (MAX.) ❋	1.20:1
INSERTION LOSS (dB MAX.) ❋	.15dB MAX.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	−100 dB − FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	1.0

❋TERMINATED IN A 50 OHM LOAD

This Document contains proprietary and confidential information.

RoHS COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	00-0918	8/2/00	DGG

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1°0' X°X' ± 15'

dynawave INCORPORATED
HAVERHILL, MA 01835

DRAWN DGG DATE 8/2/00

APPROVED DGG DATE 8/2/00

TITLE
BNC, PLUG, STRAIGHT, CRIMP ATTACHMENT, RG142, 223, 400 CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 3000-4231-2700

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
MIN. AXIAL FORCE	4.5 LBS.
MIN. RADIAL TORQUE	N/A
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.)	2.5
CONNECTOR DURABILITY (MIN. CYCLES)	500
CABLE TO CONNECTOR RETENTION (LBS. MIN.)	50

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 107, 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.) (250 VRMS)

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5. MATERIAL

SHELL	ZINC DIE–CAST
BODY, CONTACT, CRIMP SLEEVE	BRASS PER ASTM–B–16, TEMPER H02, ALLOY C36000.
INSULATOR	DELRIN / NATURAL
GASKET	SILICONE RUBBER PER AMS–3304, GRADE 70

6. FINISH

SHELL, BODY & CRIMP SLEEVE	NICKEL PER QQ–N–290
CONTACT	**GOLD PER MIL–G–45204**
INSULATOR	N/A