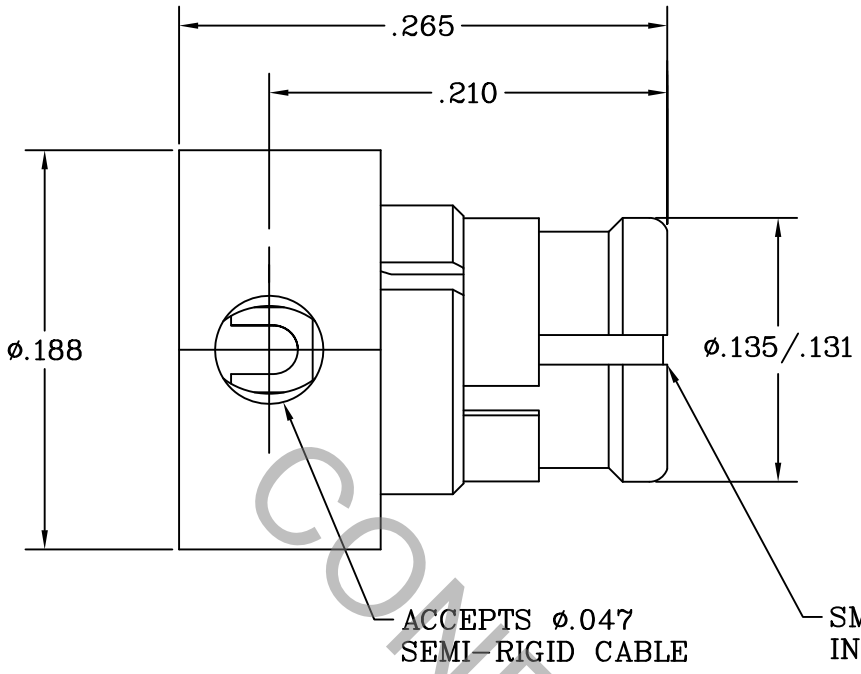
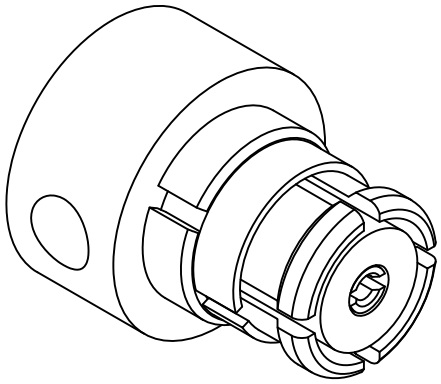
SPECIFICATION CONTROL DRAWING





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1. MATING A.) INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 326.1a AND DYNAWAVE SPECIFICATION MD-20

   B.) DSCC APPROVED PART NUMBER 94008ZCG-6.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 12.5 GHz.
VSWR (MAX.) ❋	1.35
INSERTION LOSS (dB MAX.)❋	.12 dB x $\sqrt{FGHz.}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	65 dB
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65° c TO + 165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	375
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

RoHS COMPLIANT

❋ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	05-1259	2/28/05	TS
AB	09-1364	4/28/09	DC

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 TS DATE 2/25/05

APPROVED DC DATE 2/25/05

TITLE
SMP FEMALE
RIGHT ANGLE, DIRECT SOLDER
TO .047 S.R. CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 2001-4720-5400

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MIN. AXIAL FORCE ——— N/A
- MIN. RADIAL TORQUE ——— N/A

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. LBS.) ——— 15.0 (FULL DETENT)
- WITHDRAWAL (MIN. LBS.) ——— 5.0 (FULL DETENT)

CONNECTOR DURABILITY (MIN. MATING) ——— 100 (FULL DETENT)

CABLE RETENSION (SOLDER) ——— 50.0 LBS. MIN.

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 (HIGH FREQUENCY)	MIL–STD–202, METHOD 204, COND. D (20 G's)
VIBRATION (RANDOM)	MIL–STD–202, METHOD 214, TEST COND. F.
THERMAL SHOCK	MIL–STD–202, METHOD 107, TEST COND. B, HIGH TEMP. +165° c.
MOISTURE RESISTANCE	MIL–STD–202, METHOD 106, LESS STEP 7b, 1000 MEGOHMS (5 MINUTES).
CORROSION	MIL–STD–202, METHOD 101, COND. B (48 HOURS)
BAROMETRIC PRESSURE (ALTITUDE)	MIL–STD–202, METHOD 105, COND. C (70,000 FT.) (190 VRMS MIN.)
CORONA LEVEL	70,000 FEET.

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5. MATERIAL

CONNECTOR BODY, CENTER CONTACT, ANTI–ROCK RING AND EMI RING	BERYLLIUM COPPER PER ASTM B196–90, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR	TEFLON PER D 4894.

6. FINISH

CONNECTOR BODY, CENTER CONTACT, ANTI–ROCK RING AND EMI RING	GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 1.25 (.000050 – .000100 THK.) OVER NICKEL PER QQ–N–290, (.000100 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000040 MIN. THK.).
INSULATOR	N/A