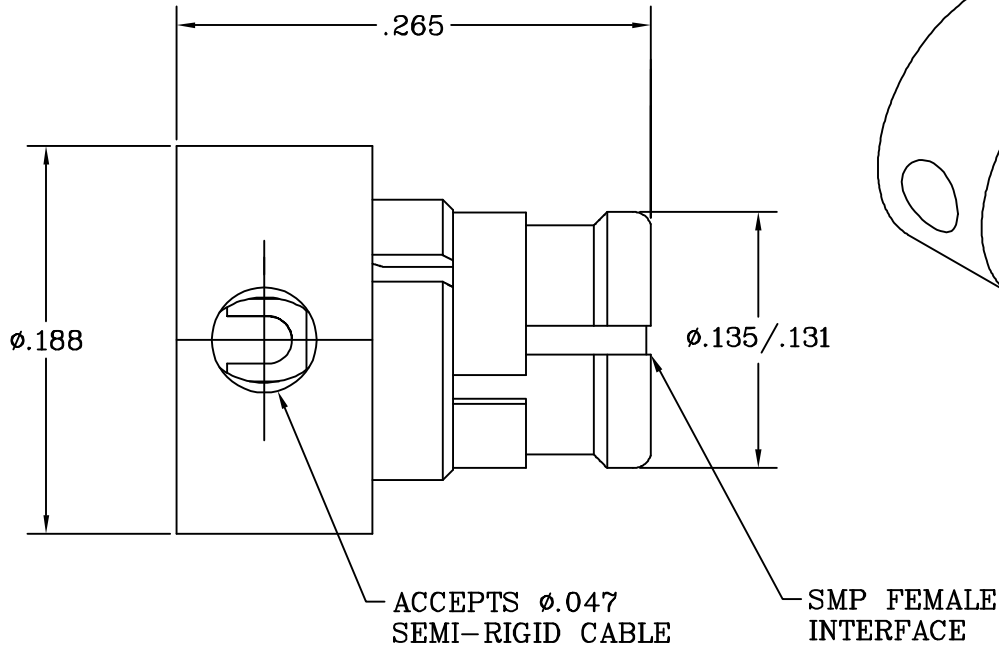


SPECIFICATION CONTROL DRAWING



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

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835
AA	05-1259	2/28/05	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'	
				DRAWN	TS	DATE	2/25/05
				APPROVED	DC	DATE	2/25/05
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 2001-4720-5400
				2J899			

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

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.

5. MATERIAL

CONNECTOR BODY, CENTER CONTACT, _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
ANTI-ROCK RING AND EMI RING _____ No. UNS C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER D 4894.

6. FINISH

CONNECTOR BODY, CENTER CONTACT, _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 1
ANTI-ROCK RING AND EMI RING _____ (.00005-.0001 THK.) OVER NICKEL PER QQ-N-290, CLASS 1
_____. (0.00005-.0001 THK.).

INSULATOR _____ N/A



SHEET 2 OF 2

DWG.
NO.

2001-4720-5400

REV.

AA