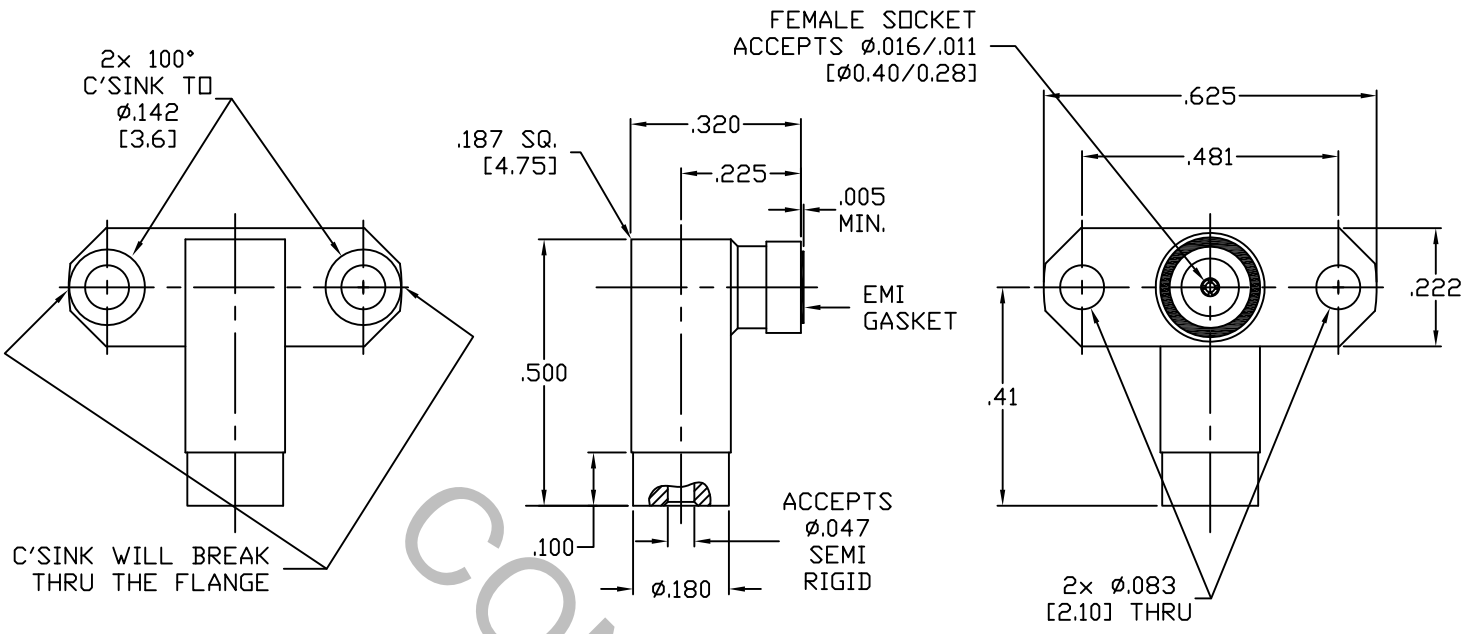
SPECIFICATION CONTROL DRAWING



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1. MATING N/A

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 34.0 GHz.
VSWR (MAX.) ❋	1.07 + .010 x FGHz.
INSERTION LOSS (dB MAX.) ❋	.04 dB x $\sqrt{\text{FGHz.}}$
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)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.
AA	13–2164	8/27/13	TS
AB	13–2235	9/13/13	TS
AC	13–2241	9/16/13	TS
BA	13–2494	10/31/13	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.

DRAWN TS DATE 8/27/13

APPROVED TS DATE 8/27/13

CODE IDENT. 2J899

SHEET 1 of 2

dynawave INCORPORATED
HAVERHILL, MA. 01835

TITLE
RIGHT ANGLE
2 HOLE FLANGE MOUNT
TO .047 SEMI–RIGID CABLE

DWG. NO. 6956–4727–2701

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MAX. AXIAL FORCE — 4.5 LBS.
- MAX. RADIAL TORQUE — N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) — FLANGE 32.0 OZ.
- WITHDRAWAL (MIN. OUNCES) — FLANGE 1.0 OZ.

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) — N/A

CONNECTOR DURABILITY (MIN. CYCLES) — 500

RECOMMENDED MATING TORQUE — N/A

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	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.) (190 VRMS)

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5. MATERIAL

BODY	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.
CONTACT	BERYLLIUM COPPER PER ASTM B196/B, 196M–03, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR	TEFLON PER D 1710–02, TYPE 1, GRADE 1, CLASS B.
EMI GASKET	SILVER PLATED ALUMINUM IN SILICONE

6. FINISH

CONNECTOR BODY	NICKEL PER SAE AMS QQ–N–290, CLASS 1 (.000200 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN.THK.)
CONTACT	GOLD PER ATSM B 488, TYPE 1, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ–N–290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)
INSULATOR AND EMI GASKET	N/A