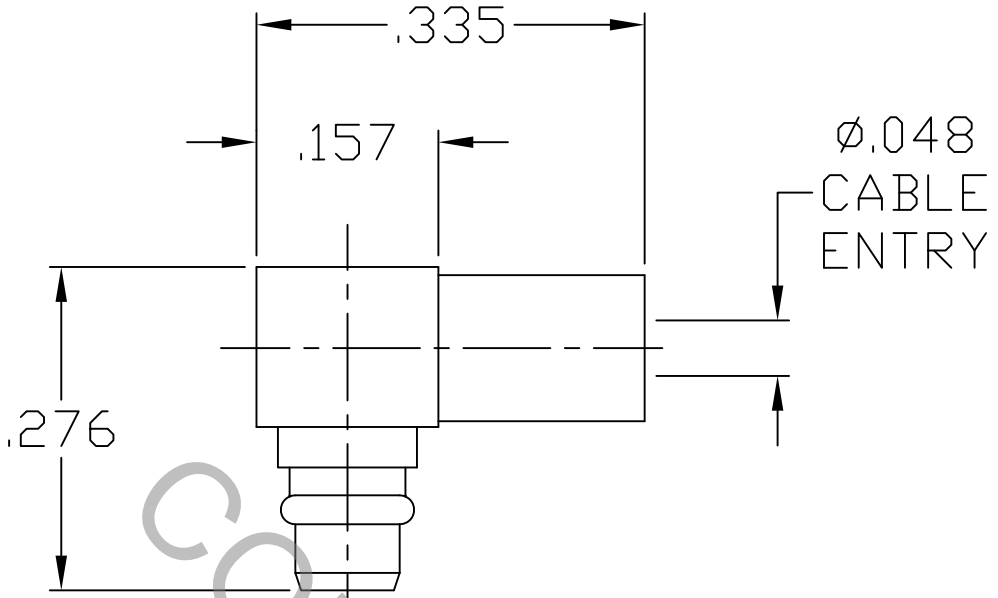
SPECIFICATION CONTROL DRAWING



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1. MATING

INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-1A.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 6.0 GHz.
VSWR (MAX.) ❋	1.080 + .020 x FGHz.
INSERTION LOSS (dB MAX.)	.010 dB x $\sqrt{}$FGHz.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	90
RF LEAKAGE (MIN. dB DOWN)	70 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°c TO + 150°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	275
INSULATION RESISTANCE (MIN. MEGOHMS)	1,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	5.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.5

❋ GATED TEST DATA

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	11-1210	3/4/11	TS

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 SS DATE 3/4/11

APPROVED TS DATE 3/4/11

TITLE
MMCX PLUG, RIGHT ANGLE
SOLDER ATTACHMENT
FOR Ø.047 S/R CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 2401-4720-2400

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
• MIN. AXIAL FORCE	2.3 LBS.
• MIN. RADIAL TORQUE	N/A
CENTER CONTACT AXIAL FORCES	
• INSERTION (MAX. OUNCES)	INTERFACE 32.0
• WITHDRAWAL (MIN. OUNCES)	INTERFACE 1.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN./LBS.)	3.4 LBS.
CONNECTOR DURABILITY (MIN. CYCLES)	500

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.) (70 VRMS)

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5. MATERIAL

CONNECTOR BODY	BRASS PER ASTM–B–16, TEMPER H02, ALLOY C36000.
CENTER CONTACT	BERYLLIUM COPPER PER ASTM–B–196/B, 196M–03, COPPER ALLOY No. UNS–C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM–D–1710–02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

CONNECTOR BODY AND CENTER CONTACT	GOLD PER ASTM–B–488, TYPE I, CODE C, CLASS 0.30 (.000030 MIN. THK.) OVER NICKEL PER SAE–AMS–QQ–N–290 CLASS 1 (.000030 MIN. THK.) OVER COPPER PER AMS–2418 (.000010 MIN. THK.)
INSULATOR	N/A