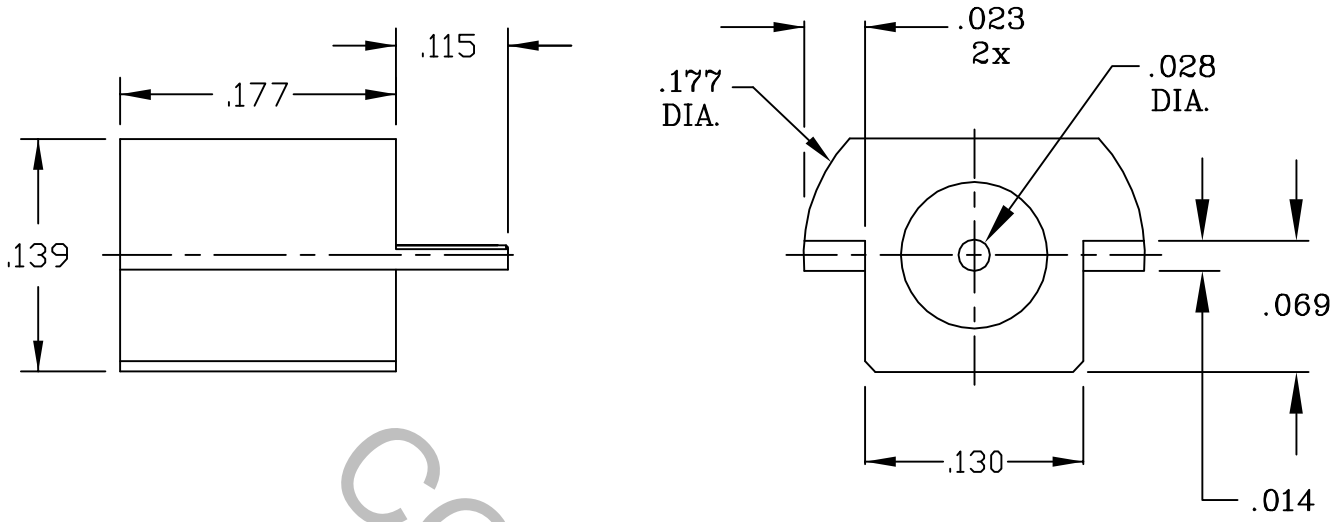
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-25 (MMCX, JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 6.0 GHz.
VSWR (MAX.) ❋	1.10 + .010 x FGHz.
INSERTION LOSS (dB MAX.) ❋	.05 dB x $\sqrt{\text{FGHz.}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	85 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65 ° c TO +150 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	2,500
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	4.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	02-0011	1/8/02	DGG
AB	12-1456	6/4/12	TS

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.

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN SS DATE 1/4/02

APPROVED DGG DATE 1/8/02

TITLE
MMCX JACK
EDGE MOUNT

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 2520-0031-2400

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MIN. AXIAL FORCE ——— 4.0 lbs.
- MIN. RADIAL TORQUE ——— N/A

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. LBS.) ——— 3.0
- WITHDRAWAL (MIN. LBS.) ——— 0.5

CONNECTOR DURABILITY (MIN. MATING) ——— 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.) (125 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	GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 0.70 (.000030 MIN. THK) OVER NICKEL PER SAE–AMS–QQ–N–290, CLASS 1 (.000050 MIN. THK) OVER COPPER PER AMS–2418, (.000010 MIN. THK.)
CENTER CONTACT	GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 0.75 (.000030 MIN. THK.) OVER NICKEL PER SAE–AMS–QQ–N–290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS–2418 (.000040 MIN. THK.).
INSULATOR	N/A