

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 5320

DESCRIPTION: : HIGH POWER LOAD, BERYLLIA

ASSEMBLY DWG: 1700124

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 RESISTANCE VALUE: 50Ω NOMINAL
- 1.1.2 INPUT POWER: (@ 100°C HEAT SINK, DERATED LINEARLY TO ZERO POWER AT 150°C):
 - 1.1.2.1 AVERAGE: 90 WATTS.
 - 1.1.2.2 PEAK: 900 WATTS (BASED ON 100US PULSE WIDTH AND 1% DUTY CYCLE).
- 1.1.3 FREQUENCY RANGE: DC - 4.0 GHZ
- 1.1.4 VSWR: 1.25 MAX.

1.2 MECHANICAL:

- 1.2.1 OUTLINE DWG: SEE SHEET 2.
- 1.2.2 WORKMANSHIP: PER MIL-STD-454, REQUIREMENT 9, AND MIL-R-55342.

1.3 ENVIRONMENTAL:

- 1.3.1 TEMPERATURE RANGE:
 - 1.3.1.1 STORAGE: -65°C TO +150°C.
 - 1.3.1.2 OPERATING: -55°C TO +150°C.

2.0 UNIT MARKING: "EMCT LOGO"
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

3.0 QUALITY ASSURANCE:

3.1 SAMPLE INSPECT PER MIL-STD-105, LEVEL II, 1.0% AQL.

- 3.1.1 VISUAL AND MECHANICAL EXAMINATION FOR CONFORMANCE TO MIL-R-55342 AND CONTROL DRAWING REQUIREMENTS.
- 3.1.2 INSPECTION IN ACCORDANCE WITH QA0006 AND FORM0357 FOR COMMERCIAL GRADE PRODUCT.

3.2 DATA REQUIREMENTS:

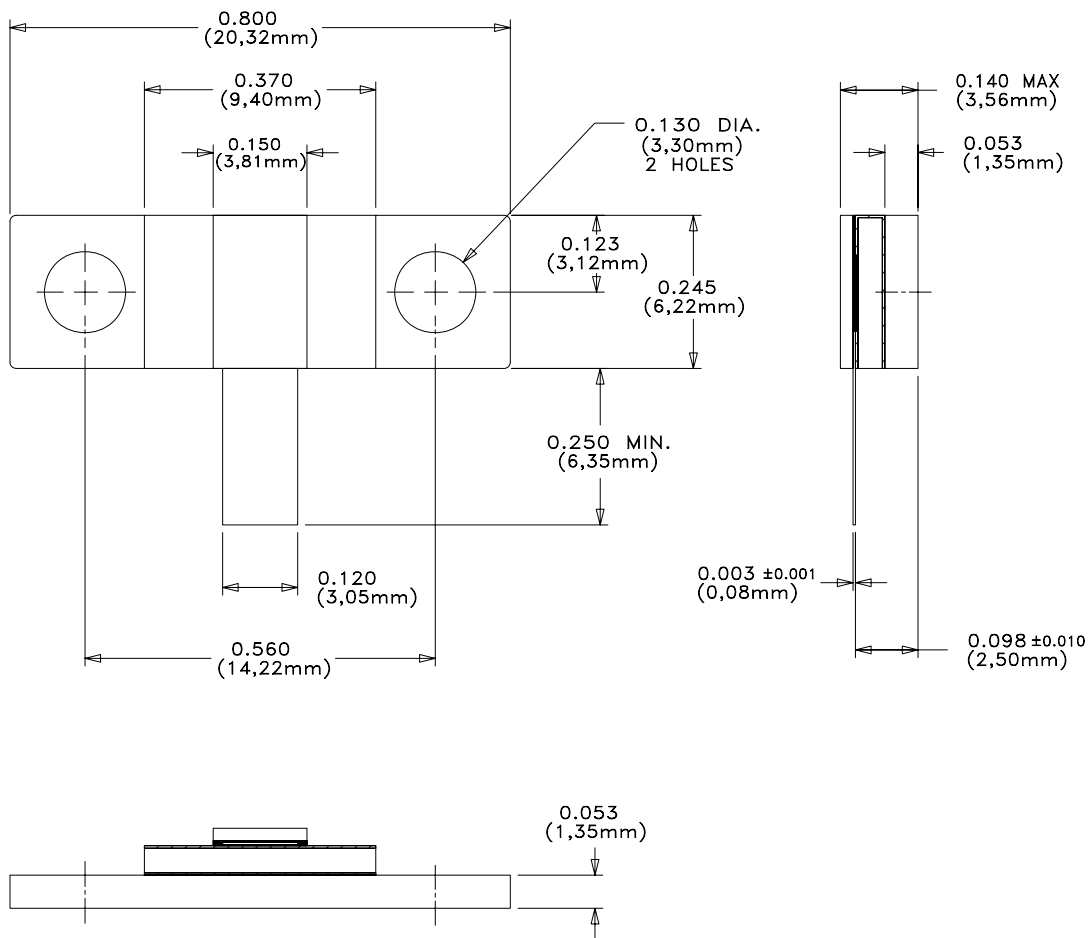
- 3.2.1 NO TEST DATA REQUIRED FOR CUSTOMER.
- 3.2.2 DATA RETENTION - STANDARD.

4.0 PACKAGING: STANDARD PACKING PER 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1001855000
	CHANGE NOTICE	EN 10-0911	REV LVL	F
			SHEET	1 OF 2

PART ID REF

5320

**MECHANICAL SPECIFICATIONS:****CHIP:**

MATERIAL - BERYLLIA, ASTM F356.

TOP PLATE:

MATERIAL - ALUMINA, MIL-I-10.

TAB:

MATERIAL - BRASS, ASTM B36.

FINISH - GOLD, MIL-G-45204, TYPE II, CLASS 1.

HEAT SINK:

MATERIAL - COPPER, ASTM B187.

FINISH - NICKEL, QQ-N-290.

METRIC EQUIVALENTS GIVEN IN [mm]
FOR REFERENCE INFORMATION ONLY

ALLOW ±0.010 ON TOP PLATE FOR MISALIGNMENT/SOLDER FILLET



8851 SW OLD KANSAS AVE
STUART, FL 34997
PHONE NO. (772)286-9300
FAX NO. (772)283-5286

UNLESS OTHERWISE
SPECIFIED DIMENSIONS
ARE IN INCHES**TOLERANCES**

FRACT	---
ANG	---
XX	---
XXX	±0.005
XXXX	---

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CAGE CODE

24602

SCALE

1:1

DRAWN BY

JG 6/5/09

CHECKED BY

APPROVED BY

REV

F

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SHEET

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