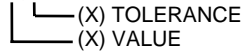


TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 5660 X,X



DESCRIPTION: HIGH POWER RESISTOR, BERYLLIA

ASSEMBLY DWG: 1700204

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 RESISTANCE VALUES AVAILABLE: 25Ω TO 250Ω.
- 1.1.2 TOLERANCE: ± 5%.
- 1.1.3 INPUT POWER: (100°C HEAT SINK, DERATED LINEARLY TO ZERO POWER AT 150°C.)
 - 1.1.3.1 AVERAGE: 250 WATTS.
 - 1.1.3.2 PEAK: 2500 WATTS (BASED ON 100US PULSE WIDTH AND 1% DUTY CYCLE).
- 1.1.4 FREQUENCY RANGE: DC - 1.0 GHZ.
- 1.1.5 RESISTANCE TEMPERATURE COEFFICIENT: ±100PPM/°C.
- 1.1.6 CAPACITANCE: 4.3PF.

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, "5660" AND "VALUE".
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

3.0 QUALITY ASSURANCE:

3.1 SAMPLE INSPECT PER ANSI/ASQC Z1.4 GENERAL INSPECTION, LEVEL II, AQL = 1.0.

- 3.1.1 VISUAL AND MECHANICAL EXAMINATION FOR CONFORMANCE TO MIL-R-55342 AND CONTROL DRAWING REQUIREMENTS.
- 3.1.2 MEASURE AND RECORD DCR.
 - 3.1.2.1 ACCEPTANCE LIMITS: SEE ELECTRICAL 1.1.2.

3.2 DATA REQUIREMENTS:

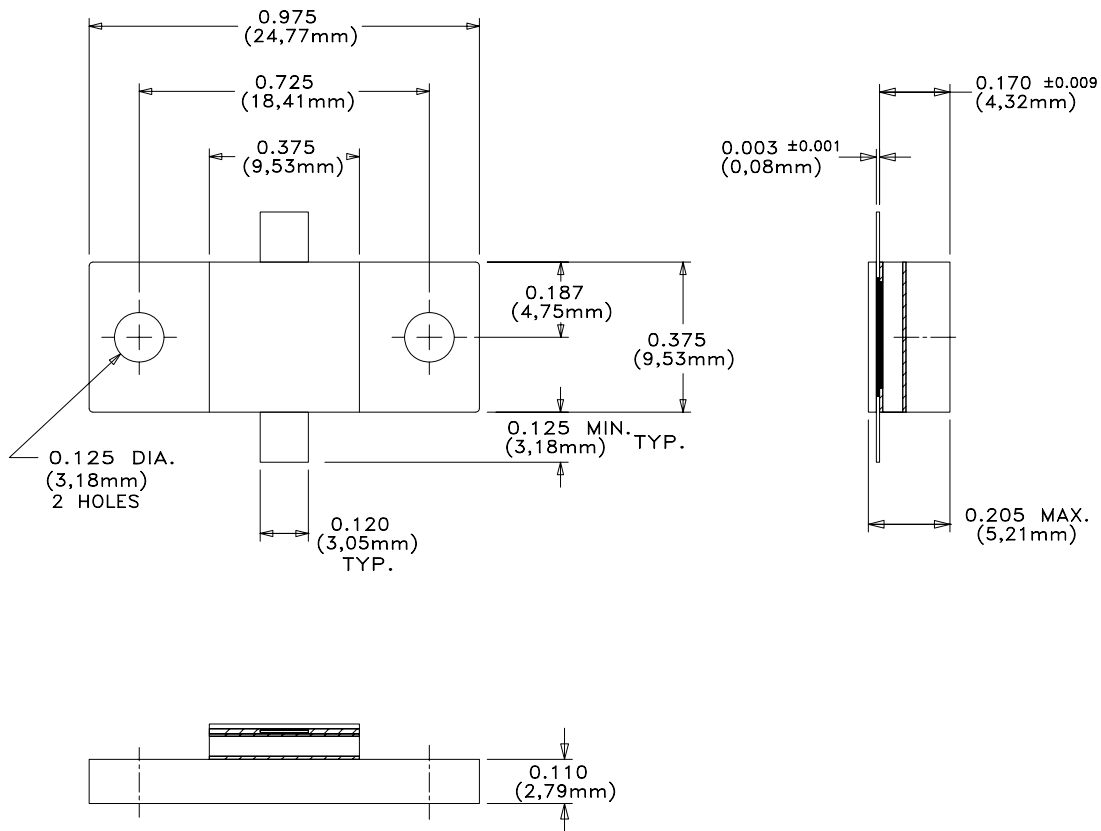
- 3.2.1 NO TEST DATA REQUIRED FOR CUSTOMER.
- 3.2.2 DATA RETENTION - STANDARD.

4.0 PACKAGING: STANDARD PACK PER 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1004375000
	CHANGE NOTICE	EN 10-0911	REV LVL	D
			SHEET	1 OF 2

PART ID REF

5660

**MECHANICAL SPECIFICATIONS:**

CHIP:
 MATERIAL - BERYLLIA, ASTM F356.
 TOP PLATE:
 MATERIAL: ALUMINA, MIL-1-10.
 TAB:
 MATERIAL - COPPER, ASTM B152.
 FINISH - GOLD, MIL-G-45204, TYPE II, CLASS 1.
 HEAT SINK:
 MATERIAL - COPPER, ASTM B187.
 FINISH - NICKEL, QQ-N-290.

METRIC EQUIVALENTS ARE GIVEN FOR
 REFERENCE INFORMATION ONLY

ALLOW +/-0.010 ON TOP PLATE FOR MISALIGNMENT.



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	SCALE	DRAWN BY	CHECKED BY	APPROVED BY
24602	1:1	TJM 6-13-97	DAR	FJV 6-13-97
REV	CHANGE NOTICE	DRAWING NO	SHEET	
D	EN 10-0911	1004375000	2 OF 2	