

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 5659

DESCRIPTION: HIGH POWER LOAD, BERYLLIA

ASSEMBLY DWG: 1700194

1.0 SPECIFICATIONS:

- 1.1 ELECTRICAL:
 - 1.1.1 RESISTANCE VALUE: 50Ω NOMINAL.
 - 1.1.2 INPUT POWER: (AT 100°C HEAT SINK, DERATED LINEARLY TO ZERO POWER AT 150°C).
 - 1.1.2.1 AVERAGE: 250 WATTS.
 - 1.1.2.2 PEAK: 2500 WATTS (BASED ON 100US PULSE WIDTH AND 1% DUTY CYCLE).
 - 1.1.3 FREQUENCY RANGE: DC - 2 GHZ.
 - 1.1.4 VSWR: DC - 1.0 GHZ - 1.15:1 MAX.
1.0 - 2.0 GHZ - 1.30:1 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.

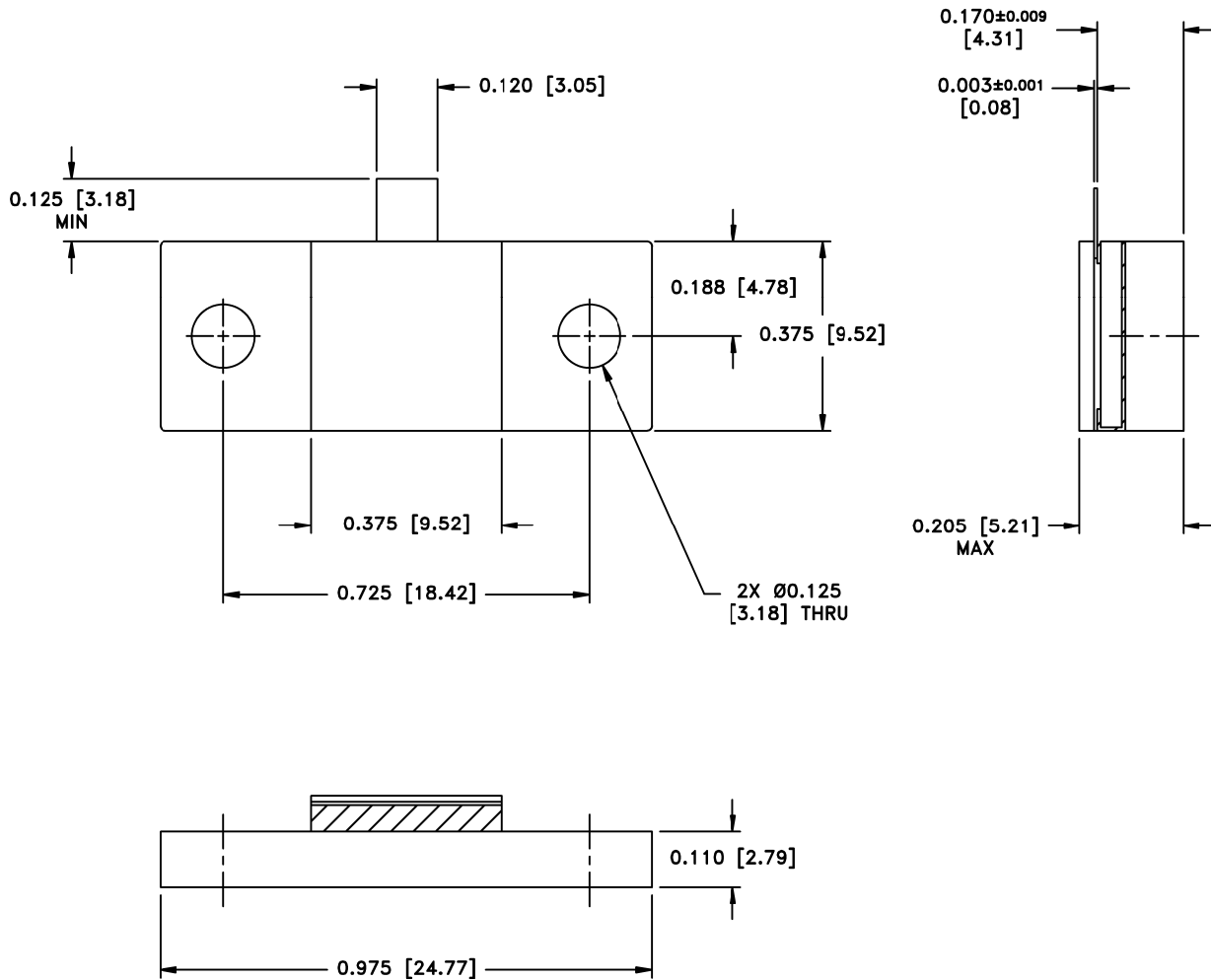
2.0 UNIT MARKING: LOGO AND PART IDENTIFIER
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

3.0 QUALITY ASSURANCE:

- 3.1 VISUAL AND MECHANICAL PER 824W155.
- 3.2 100% DC RESISTANCE CHECK (GO/NO GO): 50Ω ± 5%.
- 3.3 DATA REQUIREMENTS:
 - 3.3.1 NO TEST DATA REQUIRED FOR CUSTOMER.
 - 3.3.2 DATA RETENTION - STANDARD.

4.0 PACKAGING: STANDARD PACKING PER 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1004365000
	CHANGE NOTICE	EN 10-E0640	REV LVL	J
			SHEET	1 OF 2



MECHANICAL SPECIFICATIONS:

CHIPS:

MATERIAL - BERYLLIA, ASTM F356.

TOP PLATE:

MATERIAL - ALUMINA, MIL-I-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 GIVEN IN [mm]
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	4:1	JG 4/29/10		
REV	CHANGE NOTICE	DRAWING NO	SHEET	
J	EN 10-E0640	1004365000	2 OF 2	