

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: CT2525TALNF

DESCRIPTION: HIGH POWER CHIP TERMINATION, ALUMINUM NITRIDE, LEAD FREE

ASSEMBLY DWG: 2900184

1.0 SPECIFICATIONS:

- 1.1 ELECTRICAL:
 - 1.1.1 IMPEDANCE: 50Ω NOMINAL.
 - 1.1.2 FREQUENCY: DC - 4 GHZ.
 - 1.1.3 VSWR: 1.30:1 DC-2.3 GHZ.
1.40:1 2.3-4.0 GHZ
 - 1.1.4 INPUT POWER:
 - 1.1.4.1 HEAT SINK 100°C: 100 WATTS (DERATE POWER LINEARLY TO 0 WATTS @ 150°C).
- 1.2 MECHANICAL:
 - 1.2.1 OUTLINE DWG: SEE SHEET 2.
- 1.3 ENVIRONMENTAL:
 - 1.3.1 TEMPERATURE RANGE:
 - 1.3.1.1 NON-OPERATING: -55°C TO +150°C.
 - 1.3.1.2 OPERATING: -55°C TO +150°C.

2.0 UNIT MARKING: NONE.

3.0 QUALITY ASSURANCE:

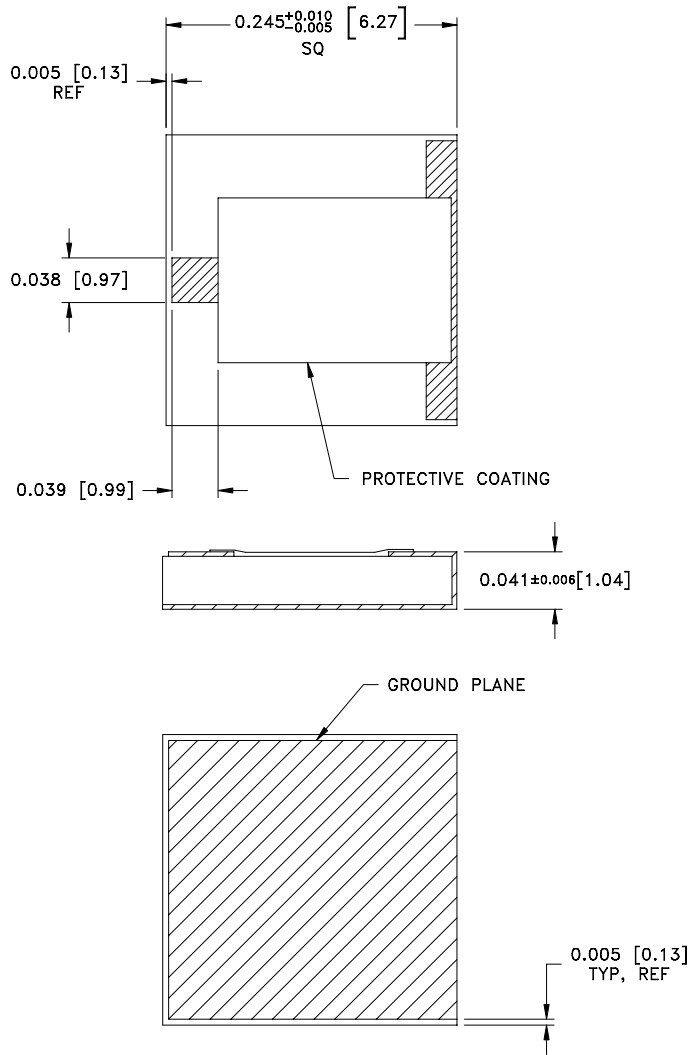
- 3.1 SAMPLE INSPECT PER ANSI/ASQC Z1.4 GENERAL INSPECTION, LEVEL II, AQL = 1.0.
 - 3.1.1 VISUAL AND MECHANICAL PER 824W154.
 - 3.1.2 DC RESISTANCE: 50Ω ± 5%.
- 3.2 DATA REQUIREMENTS:
 - 3.2.1 NO TEST DATA REQUIRED FOR CUSTOMER.
 - 3.2.2 DATA RETENTION – 24 MONTHS.

4.0 PACKAGING: STANDARD PACKING PER 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1010855000
	CHANGE NOTICE	EN 08-E0712	REV LVL	A
			SHEET	1 OF 2

PART ID REF

CT2525TALNF

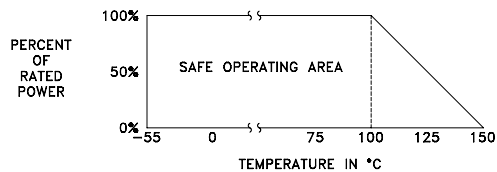


MECHANICAL SPECIFICATIONS

SUBSTRATE:
 MATERIAL - ALUMINUM NITRIDE, MIL-I-10.
 TERMINAL & GROUND PLANE:
 MATERIAL - THICK FILM, LEAD FREE PLATING.
 RoHS COMPLIANT.
 RESIST:
 MATERIAL - THIN FILM.

METRIC EQUIVALENTS GIVEN IN [mm]
 ARE FOR REFERENCE INFORMATION ONLY

POWER RATING AND DERATING



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 ±0.010
 XXXX ---

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CAGE CODE	SCALE	DRAWN BY	CHECKED BY	APPROVED BY
24602	10:1	JG 8/8/08		
REV	CHANGE NOTICE	DRAWING NO	SHEET	
A	EN 08-E0712	1010855000	2 OF 2	