

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: CT1005TALNF

DESCRIPTION: HIGH POWER CHIP TERMINATION, ALUMINUM NITRIDE, ROHS COMPLIANT

ASSEMBLY DWG: 1102134

1.0 SPECIFICATIONS:

- 1.1 ELECTRICAL:
 - 1.1.1 IMPEDANCE: 50Ω NOMINAL.
 - 1.1.2 DC RESISTANCE: 44Ω NOMINAL.
 - 1.1.3 FREQUENCY: DC - 4 GHZ.
 - 1.1.4 VSWR: SEE SHEET 2, FIGURE 2.
 - 1.1.5 INPUT POWER:
 - 1.1.5.1 HEAT SINK 100°C: 15 WATTS. (DERATE POWER LINEARLY TO 0 WATTS @ 150°C).
- 1.2 MECHANICAL:
 - 1.2.1 OUTLINE DWG: SEE SHEET 2, FIGURE 1.
- 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:

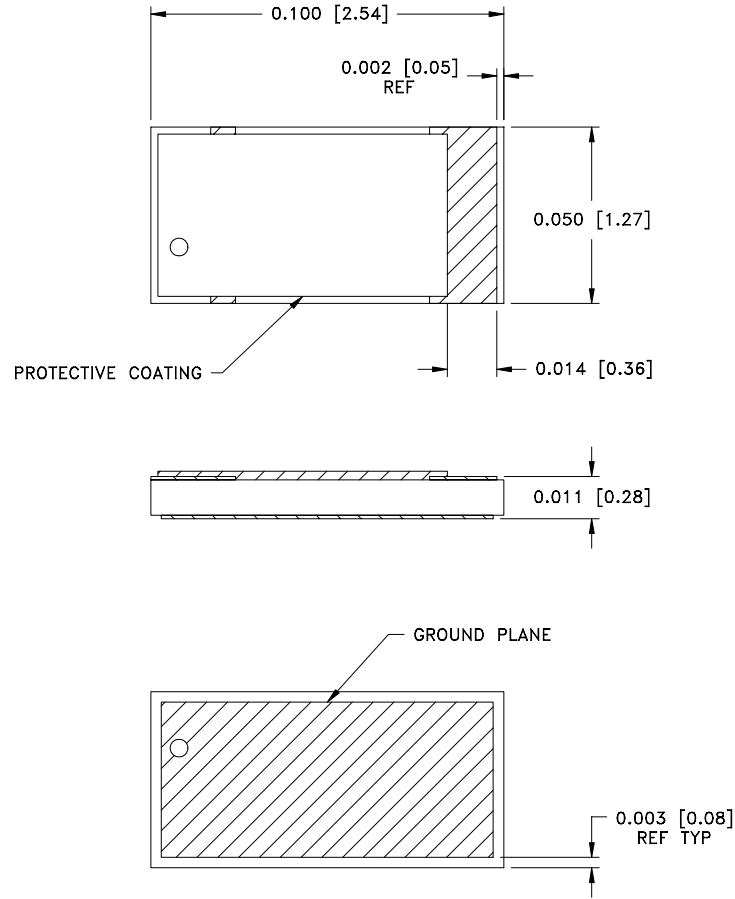
- 3.1 SAMPLE INSPECT PER ANSI/ASQC Z1.4 GENERAL INSPECTION, LEVEL II, AQL = 1.0.
 - 3.1.1 VISUAL AND MECHANICAL PER 824W154.
 - 3.2 DC RESISTANCE CHECK (GO/NO GO): 44Ω ± 5%.
 - 3.3 DATA REQUIREMENTS:
 - 3.3.1 NO TEST DATA REQUIRED.
 - 3.3.2 DATA RETENTION - STANDARD.

4.0 PACKAGING: STANDARD PACKING PER 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1011185000
	CHANGE NOTICE	EN 08-E0740	REV LVL	A
			SHEET	1 <u>OF</u> 2

PART ID REF
CT1005TALNF

FIGURE 1

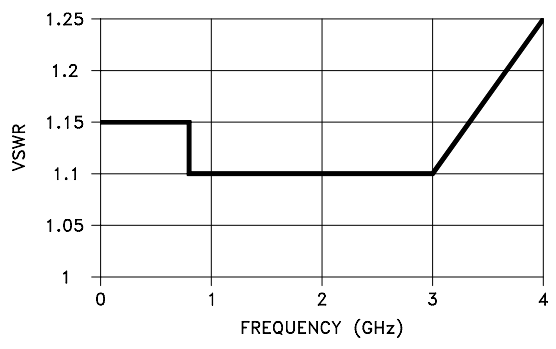


MECHANICAL SPECIFICATION:

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

METRIC EQUIVALENTS GIVEN IN [mm]
FOR REFERENCE INFORMATION ONLY

FIGURE 2



 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 --- --	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EMC TECHNOLOGY INC AND SHALL NOT BE DUPLICATED OR USED AS BASIS FOR THE MANUFACTURE OR SALE OF PARTS OR DEVICES WITHOUT PERMISSION.					
		CAGE CODE 24602	SCALE 30:1	DRAWN BY JG 8/14/08	CHECKED BY	APPROVED BY	
	REV A	CHANGE NOTICE EN 08-E0740	DRAWING NO 1011185000	SHEET 2 OF 2			