

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: CT1005AF

DESCRIPTION: CHIP TERMINATION, ALUMINA, LEAD FREE

ASSEMBLY DWG: 1102064

1.0 SPECIFICATIONS:

- 1.1 ELECTRICAL:
 - 1.1.1 IMPEDANCE: 50Ω NOMINAL.
 - 1.1.2 DC RESISTANCE: 50Ω +/-5%.
 - 1.1.3 FREQUENCY: 0.8 – 2.5 GHZ.
 - 1.1.4 VSWR: 1.25:1.
 - 1.1.5 INPUT POWER:
 - 1.1.5.1 HEAT SINK 100°C: 2 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.

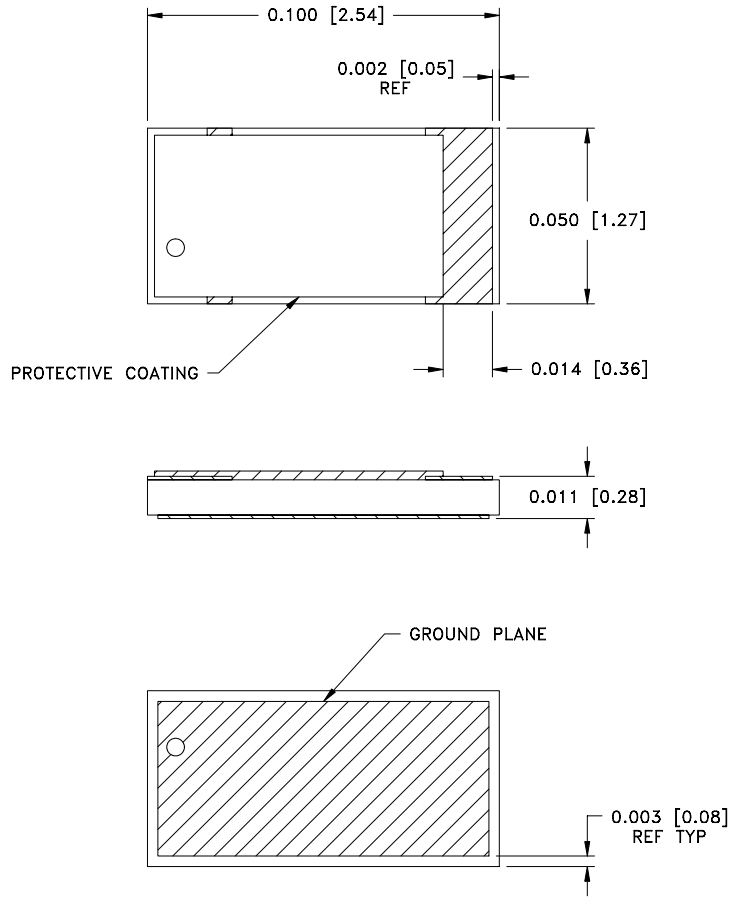
3.0 QUALITY ASSURANCE:

- 3.1 SAMPLE INSPECT PER ANSI/ASQC Z1.4 GENERAL INSPECTION, LEVEL II, AQL = 1.0.
 - 3.1.1 VISUAL AND MECHANICAL PER 824W154.
 - 3.2 DC RESISTANCE CHECK (GO/NO GO): 50Ω ± 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 #	1010685000
	CHANGE NOTICE	EN 08-E0712	REV LVL	A
			SHEET	1 <u>OF</u> 2

PART ID REF
CT1005AF



MECHANICAL SPECIFICATION:

SUBSTRATE:
MATERIAL - ALUMINA, 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

EMC Technology
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	SCALE	DRAWN BY	CHECKED BY	APPROVED BY
24602	30:1	JG 8/8/08		
REV	CHANGE NOTICE	DRAWING NO	SHEET	
A	EN 08-E0712	1010685000	2 OF 2	