

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: CT3725S

DESCRIPTION: HIGH POWER CHIP TERMINATION, BERYLLIA

ASSEMBLY DWG: 1101844

1.0 SPECIFICATIONS:

- 1.1 ELECTRICAL:
 - 1.1.1 IMPEDANCE: 50Ω NOMINAL.
 - 1.1.2 FREQUENCY: DC - 2 GHZ.
 - 1.1.3 VSWR: 1.25:1 MAX.
 - 1.1.4 INPUT POWER:
 - 1.1.4.1 HEAT SINK 100°C: 150 WATTS (DERATE POWER LINEARLY TO 0 WATTS @ 125°C).
- 1.2 MECHANICAL:
 - 1.2.1 OUTLINE DWG: SEE SHEET 2.
 - 1.2.2 WORKMANSHIP: PER MIL-STD-454, REQUIREMENT 9.
- 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 +125°C.

2.0 UNIT MARKING: NONE.

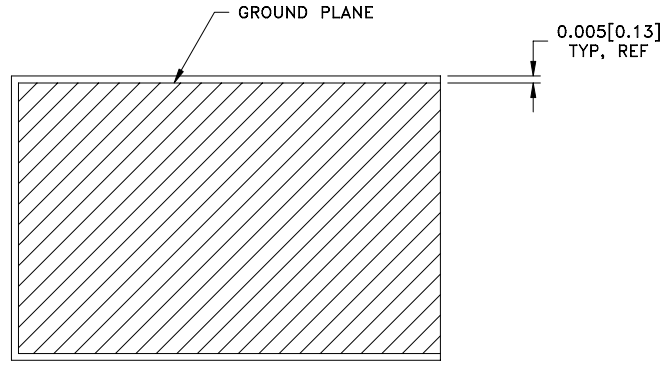
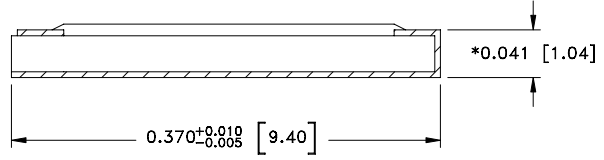
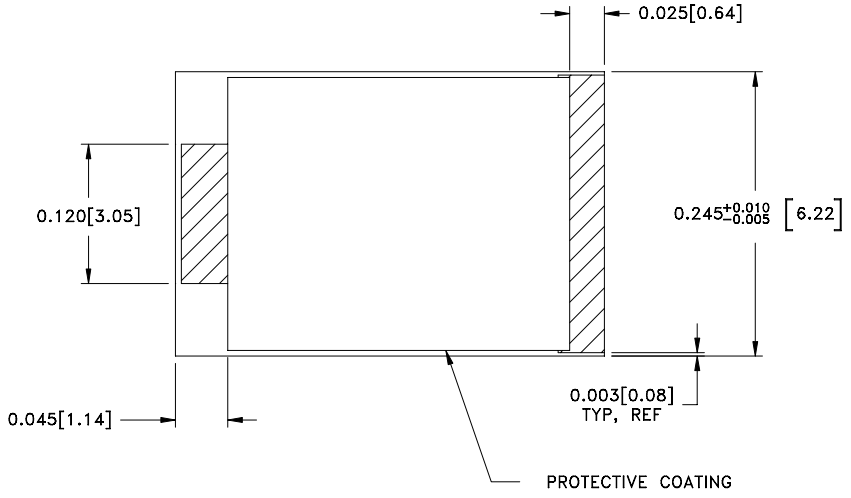
3.0 QUALITY ASSURANCE:

- 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.
 - 3.2.2 DATA RETENTION - STANDARD.

4.0 PACKAGING: STANDARD PACKING PER 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1010375000
	CHANGE NOTICE	EN 08-E0534	REV LVL	A
			SHEET	1 OF 2

PART ID REF
CT3725S



MECHANICAL SPECIFICATIONS

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

SUBSTRATE:
MATERIAL - BERYLLIA, ASTM F356.
TERMINAL & GROUND PLANE:
MATERIAL - THICK FILM, NICKEL BARRIER,
SOLDER COATED.
RESIST:
MATERIAL - THICK FILM.
* DIMENSION APPLY BEFORE SOLDER. ALLOW
0.015 MAX FOR ALL PRETINNED SURFACES.

 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	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.					
	TOLERANCES	CAGE CODE	SCALE	DRAWN BY	CHECKED BY	APPROVED BY	
	FRACT --- ANG --- XX --- XXX ±0.005 XXXX ---	24602	10:1	JG 7/7/08			
	REV	CHANGE NOTICE	DRAWING NO	SHEET			
	A	EN 08-E0534	1010375000	2 OF 2			