TITLE: ENGINEERING CONTROL DRAWING.

PART IDENTIFIER: CT2010A

DESCRIPTION: HIGH POWER CHIP TERMINATION, ALUMINA

ASSEMBLY DWG: 2900144

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:
- 1.1.1 IMPEDANCE: 50Ω NOMINAL.
- 1.1.2 FREQUENCY: DC - 2 GHZ.
- 1.1.3 VSWR: 1.35:1 MAX.
- 1.1.4 INPUT POWER:
  - 1.1.4.1 HEAT SINK 100°C: 5 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:

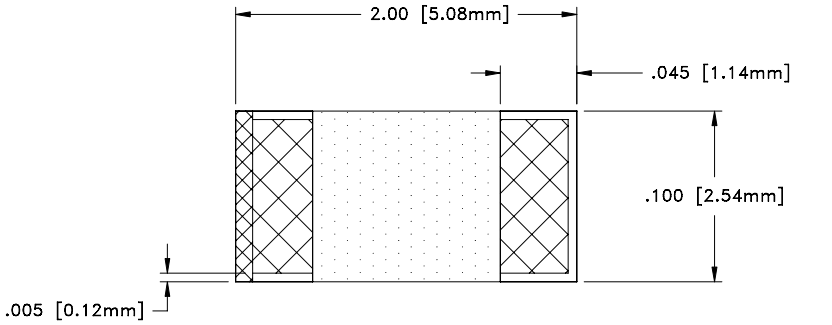
3.1 SAMPLE INSPECT PER ANSI/ASQC Z1.4 GENERAL INSPECTION, LEVEL II, AQL = 1.0.
- 3.1.1 VISUAL AND MECHANICAL PER 824W154.

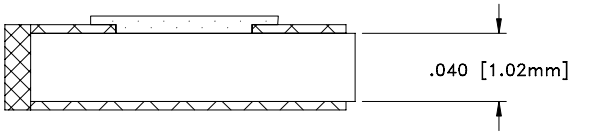
3.2 DC RESISTANCE: 50Ω ± 5%.

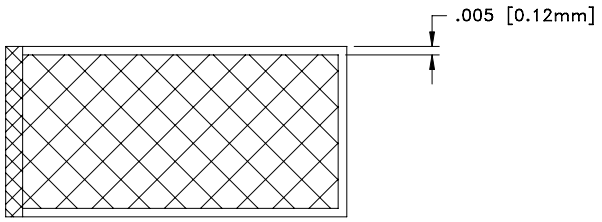
3.3 DATA REQUIREMENTS:
- 3.3.1 NO TEST DATA REQUIRED FOR CUSTOMER.
- 3.3.2 DATA RETENTION – 24 MONTHS.

4.0 PACKAGING: STANDARD PACK PER 755W002.

PART ID REF
CT2010A





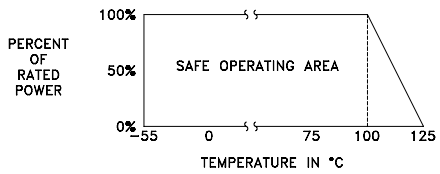


MECHANICAL SPECIFICATIONS:

SUBSTRATE:
MATERIAL – ALUMINA MIL–I–10.
TERMINALS AND GROUND PLANE:
MATERIAL – THICK FILM, NICKEL BARRIER, SOLDER PLATED.
RESISTIVE ELEMENT:
MATERIAL – THIN FILM.

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

POWER RATING AND DERATING



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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES

FRACT	-- --
ANG	-- --
XX	-- --
XXX	±0.005
XXXX	-- --

CAGE CODE	SCALE	DRAWN BY	CHECKED BY	APPROVED BY
24602	1:1	JG 8/4/08		

REV	CHANGE NOTICE	DRAWING NO	SHEET
A	EN 08–E0615	1010555000	2 OF 2