

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: CT0402

DESCRIPTION: CHIP TERMINATION, BERYLLIA

ASSEMBLY DWG: 1000564

1.0 SPECIFICATIONS:

- 1.1 ELECTRICAL:
 - 1.1.1 IMPEDANCE: 50Ω NOMINAL.
 - 1.1.2 FREQUENCY RANGE: DC-26.5 GHZ.
 - 1.1.3 INPUT POWER: 1 WATT CW @ 100°C, DERATE LINEARLY TO 0 WATTS @ 150°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 +150°C.

2.0 UNIT MARKING: NONE.

3.0 QUALITY ASSURANCE:

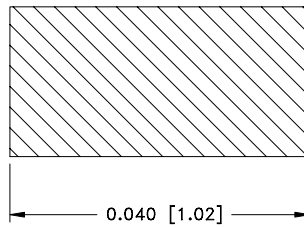
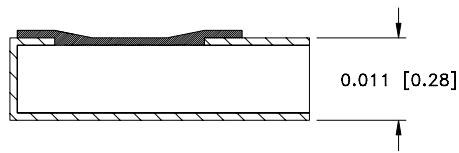
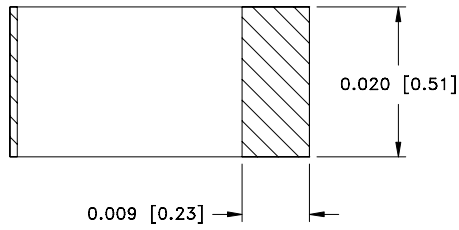
- 3.1 SAMPLE INSPECT PER ANSI/ASQC Z1.4 GENERAL INSPECTION, LEVEL II, AQL = 1.0.
 - 3.1.1 VISUAL AND MECHANICAL PER 824W154.
- 3.2 100% DC RESISTANCE CHECK (GO/NO GO): 50Ω ± 5%.
- 3.3 DATA REQUIREMENTS:
 - 3.3.1 NO TEST DATA REQUIRED.
 - 3.3.2 DATA RETENTION - STANDARD.

4.0 PACKAGING: STANDARD PACKING PER 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1009115000
	CHANGE NOTICE	EN 08-E0399	REV LVL	B
			SHEET	1 OF 2

PART ID REF

CT0402



MECHANICAL SPECIFICATIONS:

SUBSTRATE:
 MATERIAL - BERYLLIA, ASTM F356.
 TERMINALS:
 MATERIAL - BONDABLE GOLD.

METRIC EQUIVALENTS GIVEN IN [mm]
 FOR REFERENCE INFORMATION ONLY

GROUND PLANE:
 MATERIAL - BONDABLE GOLD.

RESISTIVE ELEMENT:
 MATERIAL - THIN FILM, TANTALUM NITRIDE.



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 ±0.003
 XXXX --- --

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CAGE CODE	SCALE	DRAWN BY	CHECKED BY	APPROVED BY
24602	64:1	JG 5/27/08		
REV	CHANGE NOTICE	DRAWING NO	SHEET	
B	EN 08-E0399	1009115000	2 OF 2	