

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 12-125-T

DESCRIPTION: PILL TERMINATION

ASSEMBLY DWG: 1400184

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
- 1.1.2 FREQUENCY: DC-26.5 GHZ.
- 1.1.3 INPUT POWER (MAX @ 25°C): (DERATED LINEARLY TO ZERO POWER @ 150°C)
 - 1.1.3.1 AVERAGE: 1 WATT.
 - 1.1.3.2 PEAK: 100 WATTS, 100US PULSE WIDTH AND 0.1% DUTY CYCLE.
- 1.1.4 VSWR: 1.35 MAX.
- 1.1.5 SCHEMATIC: SEE SHEET 2, FIG. 2.

1.2 MECHANICAL:

- 1.2.1 OUTLINE DWG: SEE SHEET 2, FIGURE 1.
- 1.2.2 WORKMANSHIP: PER MIL-D-39030.

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: "12-125-T AND EMCT"
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

3.0 QUALITY ASSURANCE:

3.1 PERFORM INSPECTION IN ACCORDANCE WITH QA0006 AND FORM0357 FOR COMMERCIAL GRADE PRODUCT.

3.2 TEST DATA REQUIREMENTS:

- 3.2.1 NO TEST DATA REQUIRED FOR CUSTOMER.
- 3.2.2 DATA RETENTION – 24 MONTHS.

4.0 PACKAGING: STANDARD PACK PER MC0023.

ENG		PUR		MFG		PLAN		SM	
CC				QA					
EMC TECHNOLOGY, INC		CAGE CODE # 24602				DWG #	1003935000		
1971 OLD CUTHBERT ROAD		CHANGE NOTICE	EN 01-401			REV LVL	D		
CHERRY HILL, NJ 08034						SHEET	1 OF 2		

PART ID REF

12-125-T

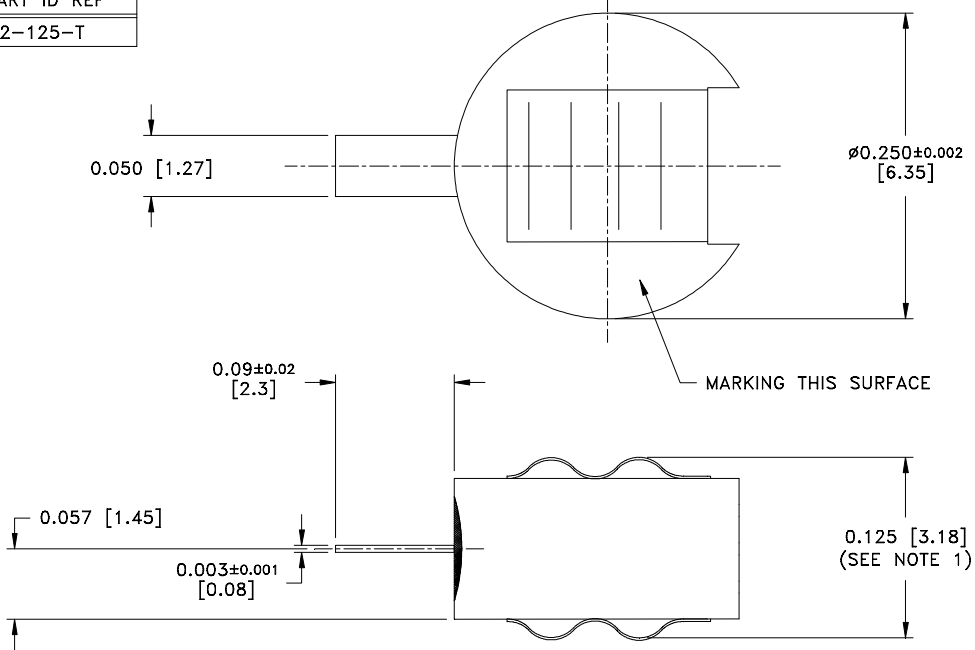


FIGURE 1

MECHANICAL SPECIFICATIONS:

CASE:

MATERIAL - BRASS, ASTM B16.
FINISH - GOLD, MIL-G-45204, TYPE II, CLASS 1.

TAB:

MATERIAL - BERYLLIUM COPPER, ASTM B197.
FINISH - GOLD, MIL-G-45204, TYPE II, CLASS 1.

SPRING:

MATERIAL - BERYLLIUM COPPER, ASTM B194.
FINISH - GOLD, MIL-G-45204, TYPE II CLASS 1.

CERAMIC:

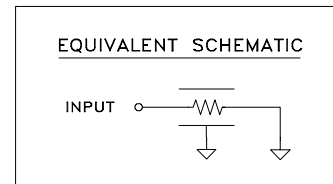
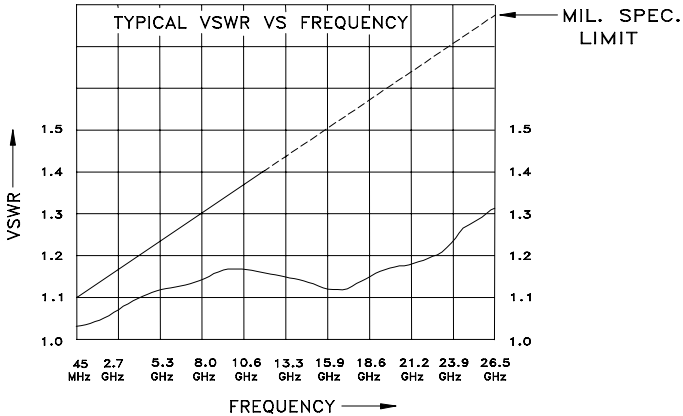
MATERIAL - ALUMINA, MIL-I-10.

METRIC EQUIVALENTS GIVEN IN [mm]
FOR REFERENCE INFORMATION ONLY



NOTE:

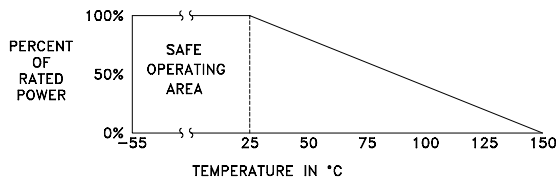
- MINIMUM EXPANDED SIZE - 0.125 + 0.015.
MAXIMUM COMPRESSED SIZE - 0.125 - 0.004.



NOTE: EFFECTS OF TEST FIXTURE REMOVED USING T.D.R. GATING TECHNIQUES.
(MEASURED ON H.P. 8510 NETWORK ANALYZER)

FIGURE 2

POWER RATING AND DERATING



EMC TECHNOLOGY INC
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PHONE NO. (856) 429-7800
FAX NO. (856) 429-1807

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES
FRACT ---
ANG ---
XX ---
XXX ±0.005
XXXX ---

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CAGE CODE 24602	SCALE 1:1	DRAWN BY CME 08/30/2001	CHECKED BY	APPROVED BY DAR 9/4/01
REV D	CHANGE NOTICE EN 01-401	DRAWING NO 1003935000	SHEET 2 OF 2	