

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 11-125-T

DESCRIPTION: PILL TERMINATION

ASSEMBLY DWG: 1400144

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 FOR 100US PULSE WIDTH AND 0.1% DUTY CYCLE.
- 1.1.4 VSWR: 1.30 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: "11-125-T AND EMCT"
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

3.0 QUALITY ASSURANCE:

- 3.1 PERFORM INSPECTION IN ACCORDANCE WITH 824W170 AND 824F036 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 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE STUART, FLORIDA 34997	CAGE CODE # 24602		DWG #	1003915000
	CHANGE NOTICE	EN 10-0911	REV LVL	D
			SHEET	1 OF 2

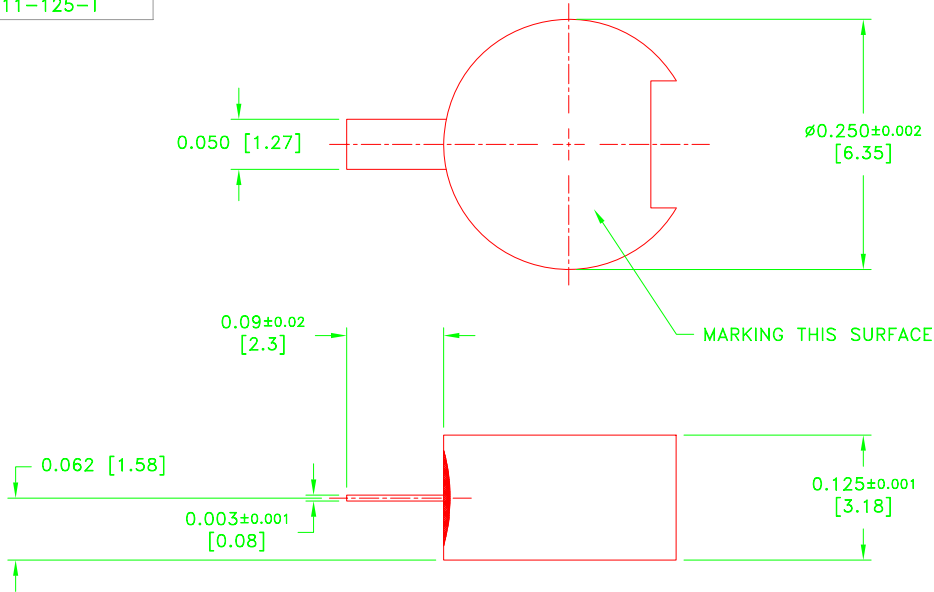


FIGURE 1

MECHANICAL SPECIFICATIONS:

METRIC EQUIVALENTS GIVEN IN [mm] FOR REFERENCE INFORMATION ONLY

CASE:

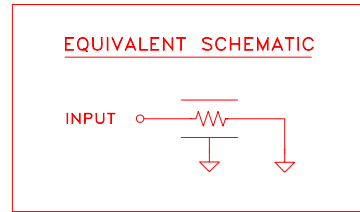
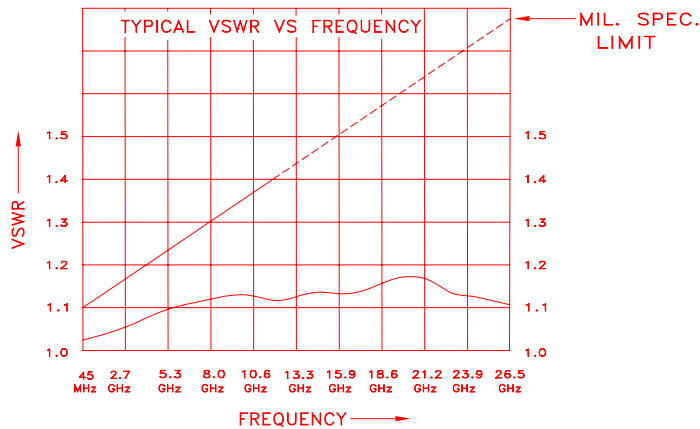
MATERIAL - BRASS, ASTM B16.
FINISH - GOLD, MIL-G-45204, TYPE II, CLASS 1.

TAB:

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

CERAMIC:

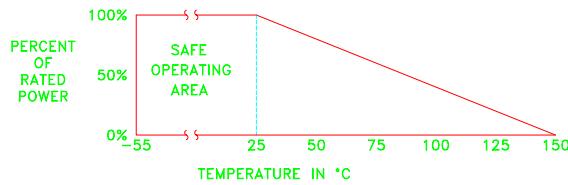
MATERIAL - ALUMINA, MIL-I-10.



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



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 ---

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CAGE CODE 24602	SCALE 1:1	DRAWN BY CME 08/30/01	CHECKED BY	APPROVED BY DAR 9/4/01
REV D	CHANGE NOTICE EN 10-0911	DRAWING NO 1003915000	SHEET 2 OF 2	