

**TITLE: SPECIFICATION CONTROL DRAWING**

**PART IDENTIFIER:** 11-125-TP

**DESCRIPTION:** PILL TERMINATION

**ASSEMBLY DWG:** 1400154

**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: 3 WATTS.
  - 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-TP 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.

<b>EMC TECHNOLOGY</b> <b>8851 SW OLD KANSAS AVE</b> <b>STUART, FLORIDA 34997</b>	<b>CAGE CODE # 24602</b>		<b>DWG #</b>	1004035000
	<b>CHANGE NOTICE</b>	EN 10-0911	<b>REV LVL</b>	D
			<b>SHEET</b>	1 OF 2

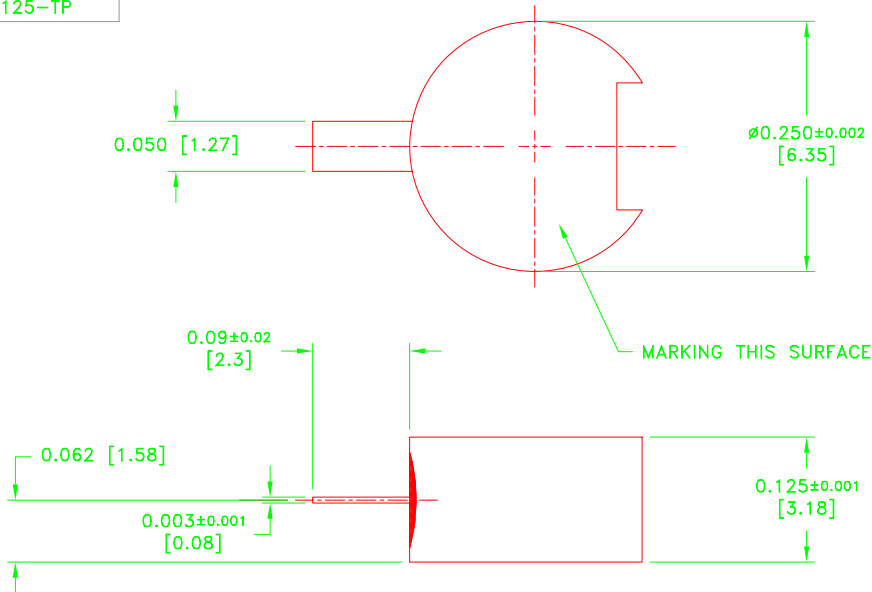
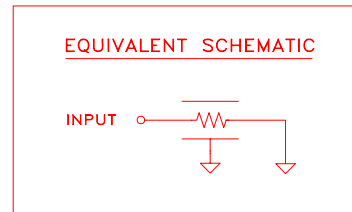
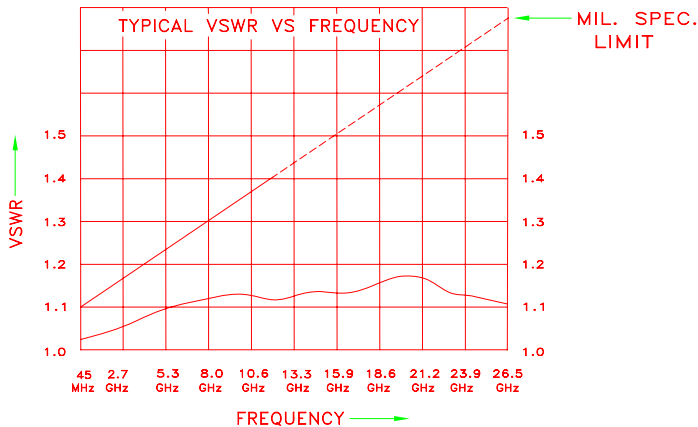


FIGURE 1

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.  
 CERAMIC:  
 MATERIAL - ALUMINA, MIL-I-10.

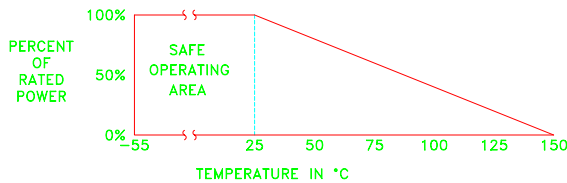
METRIC EQUIVALENTS GIVEN IN [mm]  
 FOR REFERENCE INFORMATION ONLY



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	SCALE	DRAWN BY	CHECKED BY	APPROVED BY
24602	1:1	CME 08/30/2001		DAR 9/4/01
REV	CHANGE NOTICE	DRAWING NO	SHEET	
D	EN 10-0911	1004035000	2 OF 2	