



**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 824W170 AND 730F007 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, FL 34997</b>	<b>CAGE CODE # 24602</b>		<b>DWG #</b>	1003935000
	<b>CHANGE NOTICE</b>	EN 13-1159	<b>REV LVL</b>	E
			<b>SHEET</b>	1 OF 2