



**TITLE: SPECIFICATION CONTROL DRAWING**

**PART IDENTIFIER** 4915

**DESCRIPTION** 50 OHM FLUSH MOUNT TERMINATION

**ASSEMBLY DWG** 1500284

**1.0 SPECIFICATIONS:**

- 1.1 ELECTRICAL:
  - 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
  - 1.1.2 FREQUENCY RANGE: DC-18GHZ.
  - 1.1.3 INPUT POWER (MAX @ 60°C):
    - 1.1.3.1 AVERAGE: 5 WATT.
    - 1.1.3.2 PEAK: 50 WATTS (100US PULSE WIDTH AND 0.1% DUTY CYCLE).
  - 1.1.4 VSWR: DC TO 4.0 GHZ - 1.10 MAX.
    - 4.0 TO 8.0 GHZ - 1.15 MAX.
    - 8.0 TO 12.0 GHZ - 1.20 MAX.
    - 12.0 TO 18.0 GHZ - 1.30 MAX.
- 1.2 MECHANICAL:
  - 1.2.1 OUTLINE DWG: SEE SHEET 2.
- 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 +125°C.

**2.0 UNIT MARKING:** "EMCT AND 4915".  
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

**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 EXAMINATION FOR CONFORMANCE TO OUTLINE DWG REQUIREMENTS.
- 3.2 PERFORM INSPECTION IN ACCORDANCE WITH QA0006 AND FORM0357 FOR COMMERCIAL GRADE PRODUCT.
- 3.3 TEST DATA REQUIREMENTS:
  - 3.3.1 NO TEST DATA REQUIRED FOR CUSTOMER.
  - 3.3.2 DATA RETENTION – 24 MONTHS.

**4.0 PACKAGING:** STANDARD PACK PER 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	<b>CAGE CODE # 24602</b>		<b>DWG #</b>	1004065000
	<b>CHANGE NOTICE</b>	EN 04-E231	<b>REV LVL</b>	D
			<b>SHEET</b>	1 OF 2