

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 8487

DESCRIPTION: 50 OHM FLANGE LOAD

ASSEMBLY DWG: 2100784

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
- 1.1.2 FREQUENCY RANGE: DC-14.5 GHZ.
- 1.1.3 INPUT POWER (MAX @ 60°C):
 - 1.1.3.1 AVERAGE: 25 WATTS.
 - 1.1.3.2 PEAK: 100 WATTS (100 US PULSE WIDTH AND 0.1% DUTY CYCLE).
- 1.1.4 VSWR:
 - DC TO 4.0 GHZ - 1.15 MAX.
 - 4.0 TO 8.0 GHZ - 1.25 MAX.
 - 8.0 TO 12.0 GHZ - 1.25 MAX.
 - 12.0 TO 14.5 GHZ - 1.50 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.
- 1.3.2 VIBRATION: PER MIL-STD-202, METHOD 201 AND MIL-D-39030.
- 1.3.3 SHOCK: PER MIL-STD-202, METHOD 213, COND. I.
- 1.3.4 MOISTURE: PER MIL-STD-202, METHOD 106 AND MIL-D-39030 EXCEPT LOADING VOLTAGE IS NOT APPLICABLE.

2.0 UNIT MARKING:

"EMCT"
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 CONTROL DRAWING REQUIREMENTS, INCLUDING SMA INTERFACE.
 - 3.1.2 MEASURE AND RECORD VSWR @ 1 TO 14.5 GHZ IN 1 GHZ INCREMENTS.
 - 3.1.2.1 ACCEPTANCE LIMITS: SEE ELECTRICAL 1.1.4.
- 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, FL 34997	CAGE CODE # 24602		DWG #	1000745000
	CHANGE NOTICE	EN 13-2994	REV LVL	E
			SHEET	1 OF 2