

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 8475

DESCRIPTION: 50 OHM FLANGE LOAD

ASSEMBLY DWG: 2100614



1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
- 1.1.2 FREQUENCY RANGE: DC-18 GHZ.
- 1.1.3 INPUT POWER (MAX @ 60°C):
 - 1.1.3.1 AVERAGE: 10 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 - 1.10 MAX.
4.0 TO 8.0 GHZ - 1.15 MAX.
8.0 TO 12.0 GHZ - 1.25 MAX.
12.0 TO 18.0 GHZ - 1.40 MAX.

1.2 MECHANICAL:

- 1.2.1 OUTLINE DWG: SEE SHEET 2.
- 1.2.2 WORKMANSHIP: PER MIL-STD-454, REQUIREMENT 9.

1.3 ENVIRONMENTAL:

- 1.3.1 TEMPERATURE RANGE:
 - 1.3.2.1 NON-OPERATING: -55°C TO +150°C.
 - 1.3.2.2 OPERATING: -55°C TO +125°C.
- 1.3.3 VIBRATION: PER MIL-STD-202, METHOD 201 AND MIL-D-39030.
- 1.3.4 SHOCK: PER MIL-STD-202, METHOD 213, COND. I.
- 1.3.5 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.
 - 3.1.2 MEASURE AND RECORD VSWR @ 1 TO 18 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 - STANDARD.

4.0 PACKAGING:

STANDARD PACK PER MC0023.

ENG	PUR	MFG	PLAN	SM	
CC		QA			
EMC TECHNOLOGY, INC 1971 OLD CUTHBERT ROAD CHERRY HILL, NJ 08034	CAGE CODE # 24602			DWG #	1000395000
	CHANGE NOTICE	EN 00-471		REV LVL	E
				SHEET	1 OF 2

