

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 8113

DESCRIPTION: 50 OHM FLANGE LOAD

ASSEMBLY DWG: 2100074

1.0 SPECIFICATIONS:

- 1.1 ELECTRICAL:
 - 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
 - 1.1.2 FREQUENCY RANGE: DC-26.5 GHZ.
 - 1.1.3 INPUT POWER (MAX @ 60°C): (DERATED LINEARLY TO ZERO POWER @ 150°C).
 - 1.1.3.1 AVERAGE: 1 WATT.
 - 1.1.3.2 PEAK: 100 WATTS (100 US PULSE WIDTH AND 0.1% DUTY CYCLE).
 - 1.1.4 VSWR: SEE TABLE BELOW.

MAXIMUM VSWR				
DC - 4 GHZ	4 - 8 GHZ	8 - 12 GHZ	12 - 18 GHZ	18 - 26.5 GHZ
1.05	1.10	1.15	1.15	1.20

- 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 +150°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.

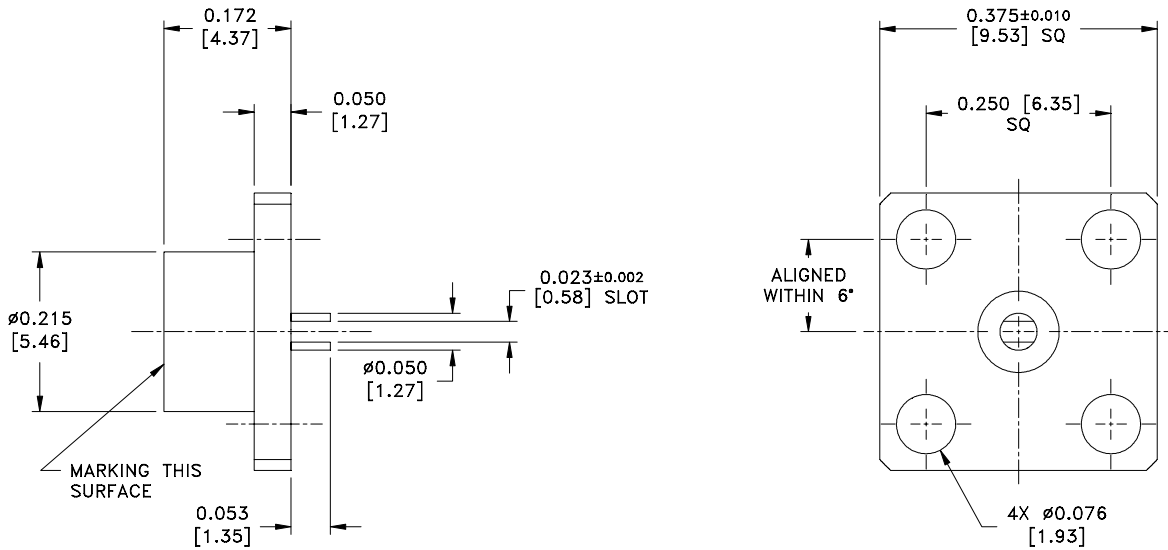
2.0 UNIT MARKING: "EMCT"
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

3.0 QUALITY ASSURANCE:

- 3.1 PERFORM INSPECTION IN ACCORDANCE WITH QA0006 AND FORM0357 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 MC0023.

ENG		PUR		MFG		PLAN		SM	
CC				QA					
EMC TECHNOLOGY, INC 1971 OLD CUTHBERT ROAD CHERRY HILL, NJ 08034		CAGE CODE # 24602					DWG #	1004725000	
		CHANGE NOTICE	EN 01-411			REV LVL	F		
							SHEET	1 OF 2	



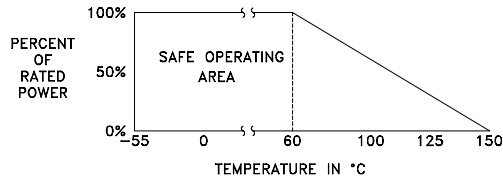
MECHANICAL SPECIFICATIONS:

CASE:
 MATERIAL - ALUMINUM ALLOY, QQ-A-225.
 FINISH - CHROMATE, MIL-C-5541.
PIN:
 MATERIAL - BERYLLIUM COPPER, ASTM B197.
 FINISH - GOLD, MIL-G-45204, TYPE II, CLASS 1.
DIELECTRIC:
 MATERIAL - AIR.
CERAMIC:
 MATERIAL - ALUMINA, MIL-I-10.

METRIC EQUIVALENTS GIVEN IN [mm] FOR REFERENCE INFORMATION ONLY



POWER RATING AND DERATING



EMC TECHNOLOGY INC
 1971 OLD CUTHBERT RD
 CHERRY HILL NJ 08034
 PHONE NO. (856) 429-7800
 FAX NO. (856) 429-1807

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES
 FRACT ----
 ANG ----
 XX ±0.01
 XXX ±0.005
 XXXX ----

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CAGE CODE	SCALE	DRAWN BY	CHECKED BY	APPROVED BY
24602	1:1	CME 09/07/2001		DAR 9/14/01
REV	CHANGE NOTICE	DRAWING NO	SHEET	
F	EN 01-477	1004725000	2 OF 2	