

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 8462

DESCRIPTION: 50 OHM FLANGE LOAD

ASSEMBLY DWG: 2100484

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): (DERATED LINEARLY TO ZERO POWER @ 150°C)
 - 1.1.3.1 AVERAGE: 1 WATT.
 - 1.1.3.2 PEAK: 100 WATTS FOR 100US PULSE WIDTH @ 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 +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.

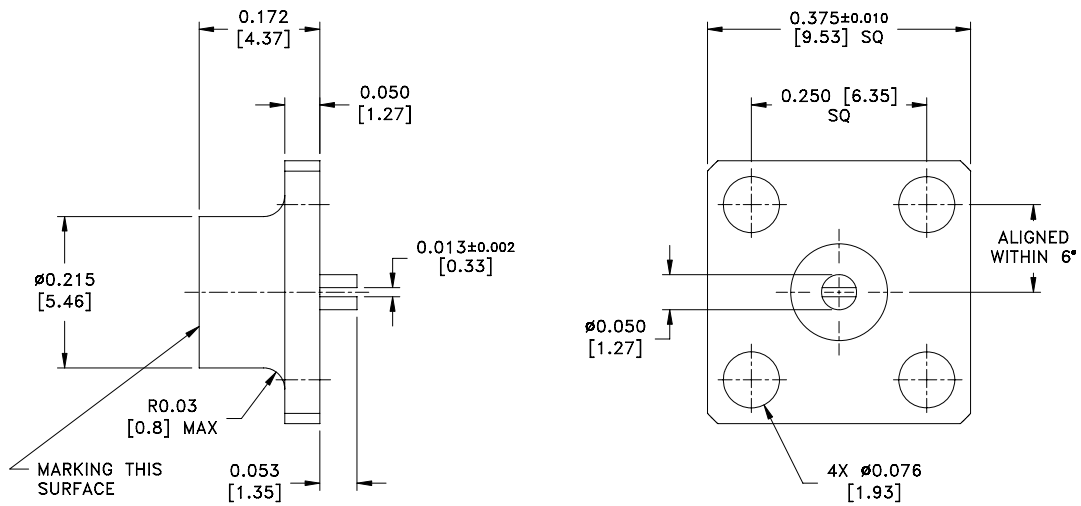
3.0 QUALITY ASSURANCE:

- 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.
 - 3.2.1 DATA RETENTION – 24 MONTHS.

4.0 PACKAGING: STANDARD PACK PER MC0023.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1002285000
	CHANGE NOTICE	EN 07-E0129	REV LVL	F
			SHEET	1 OF 2

PART ID REF
8462



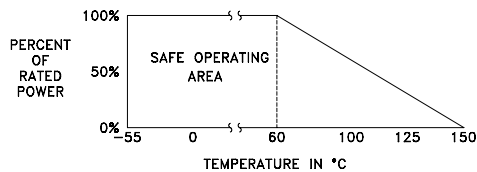
MECHANICAL SPECIFICATIONS:

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 - TEFLON, ASTM D1710.
CERAMIC:
MATERIAL - ALUMINA, MIL-I-10.

METRIC EQUIVALENTS GIVEN IN [mm]
FOR REFERENCE INFORMATION ONLY



POWER RATING AND DERATING



EMC Technology
8851 SW OLD KANSAS AVE
STUART, FL 34997
PHONE NO. (772) 286-9300
FAX NO. (772) 283-5286

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	CRH 02/08/07		
REV	CHANGE NOTICE	DRAWING NO	SHEET	
F	EN 07-E0129	1002285000	2 OF 2	