

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 8415

DESCRIPTION: 50 OHM FLANGE LOAD

ASSEMBLY DWG: 2100914

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
- 1.1.2 FREQUENCY RANGE: DC - 12GHZ.
- 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.

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.
- 1.3.5 MOISTURE: PER MIL-STD-202, METHOD 106 AND MIL-D-39030 EXCEPT LOADING VOLTAGE IS NOT APPLICABLE.

2.0 UNIT MARKING: NONE.

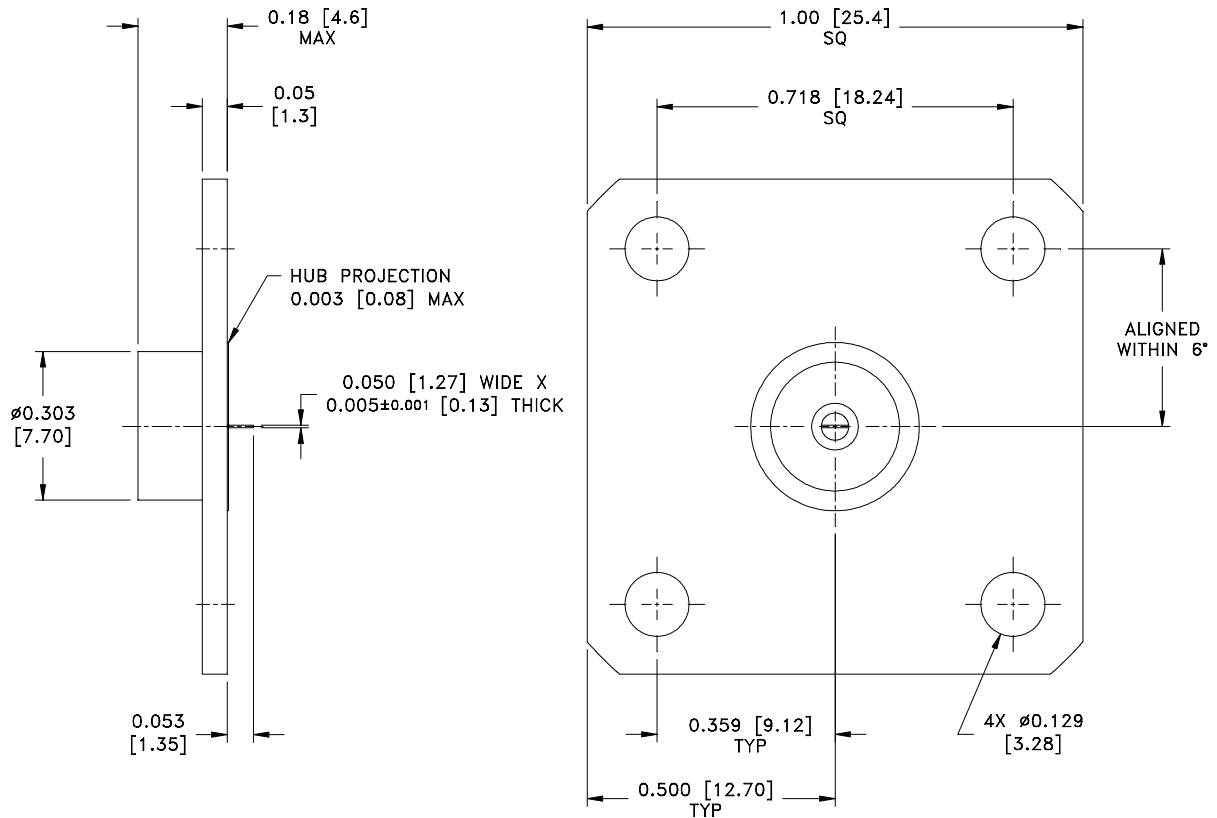
3.0 QUALITY ASSURANCE:

- 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 TRAY PACK PER MC0023.

ENG		PUR		MFG		PLAN		SM	
CC				QA					
EMC TECHNOLOGY, INC		CAGE CODE # 24602				DWG #	1008095000		
1971 OLD CUTHBERT ROAD		CHANGE NOTICE	EN 01-305			REV LVL	D		
CHERRY HILL, NJ 08034						SHEET	1 OF 2		

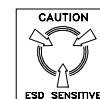
PART ID REF
8415



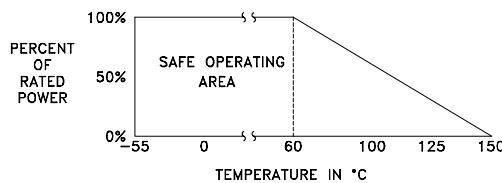
MECHANICAL SPECIFICATIONS:

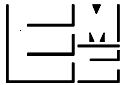
- FLANGE CASE FACE:
 MATERIAL - ALUMINUM ALLOY, QQ-A-250.
 FINISH - CHROMATE, MIL-C-5541.
- FLANGE HUB:
 MATERIAL - ALUMINUM ALLOY, QQ-A-225.
- PIN:
 MATERIAL - BERYLLIUM COPPER, ASTM B197.
 FINISH - GOLD, MIL-G-45204, TYPE II, CLASS 1.
- DIELECTRIC:
 MATERIAL - TEFLON, ASTM D1710.
- CERAMIC:
 MATERIAL - ALUMINA, MIL-I-10.

METRIC EQUIVALENTS GIVEN IN [mm]
 FOR REFERENCE INFORMATION ONLY



POWER RATING AND DERATING




EMC TECHNOLOGY 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 08/15/2001		DAR 8/21/01	
REV	CHANGE NOTICE	DRAWING NO	SHEET		
D	EN 01-305	1008095000	2 OF 2		