

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: 8122

DESCRIPTION: 50 OHM FLANGE LOAD

ASSEMBLY DWG: 2100974

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
- 1.1.2 FREQUENCY RANGE: DC - 26.5GHZ.
- 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 (100US 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 - 1.15 MAX.
 - 12.0 TO 26.5 GHZ - 1.20 MAX.

1.2 MECHANICAL:

- 1.2.1 OUTLINE DWG: SEE SHEET 2.

1.3 ENVIRONMENTAL:

- 1.3.1 TEMPERATURE RANGE:
 - 1.3.2.1 NON-OPERATING: -55° C TO +150° C.
 - 1.3.2.2 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: "EMCT"

LEGIBILITY AND PERMANENCY PER MIL-STD-130.

3.0 QUALITY ASSURANCE:

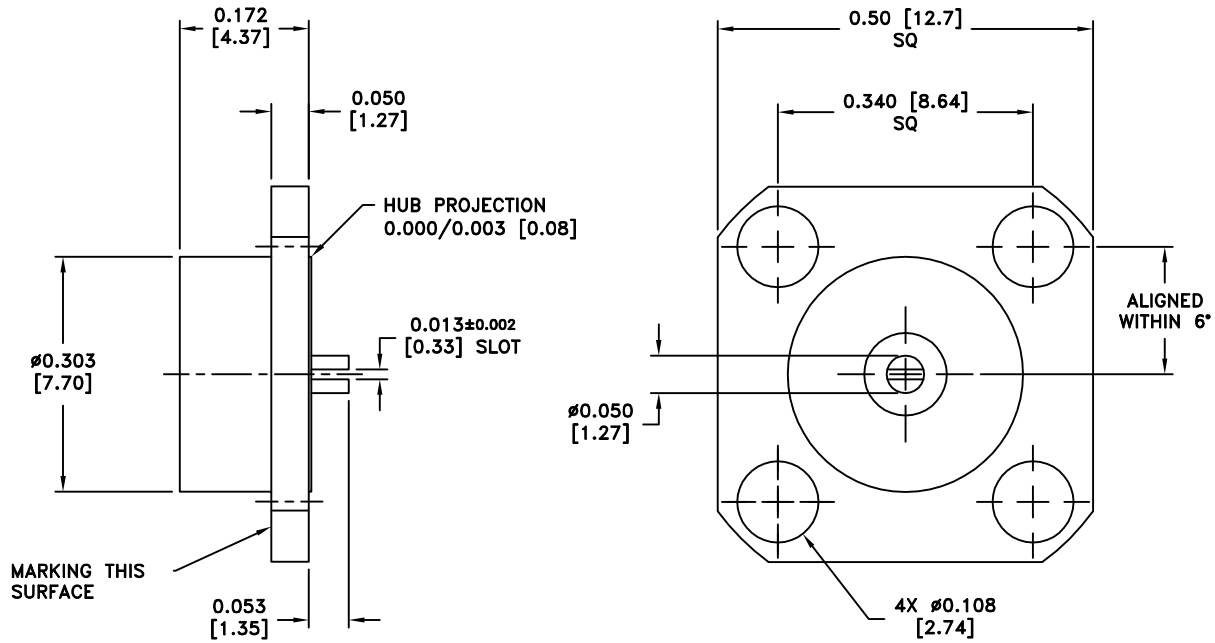
- 3.1 PERFORM INSPECTION IN ACCORDANCE WITH 824W170 AND 730F007 FOR COMMERCIAL GRADE PRODUCT.
- 3.2 TEST DATA REQUIREMENTS:
 - 3.2.1 NO TEST DATA REQUIRED FOR CUSTOMER.
 - 3.2.2 DATA RETENTION – 24 MONTHS.

4.0 PACKAGING: STANDARD PACKING PER 755W008.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1008505000
	CHANGE NOTICE	EN 13-0066	REV LVL	F
			SHEET	1 OF 2

PART ID REF

8122



MECHANICAL SPECIFICATIONS:

FLANGE FACE:

MATERIAL - ALUMINUM ALLOY, QQ-A-250.
FINISH - CHROMATE, MIL-C-5541.

FLANGE HUB:

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:

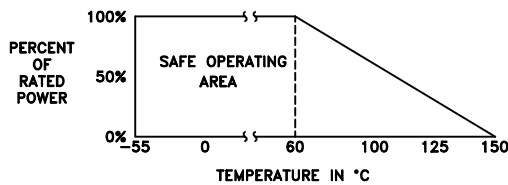
MATERIAL - AIR.

CERAMIC:

MATERIAL - ALUMINA, MIL-I-10.

METRIC EQUIVALENTS GIVEN IN [mm]
FOR REFERENCE INFORMATION ONLY

POWER RATING AND DERATING



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 -----

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EMC TECHNOLOGY INC AND SHALL NOT BE DUPLICATED OR USED AS BASIS FOR THE MANUFACTURE OR SALE OF PARTS OR DEVICES WITHOUT PERMISSION.

CAGE CODE 24602	SCALE 1:1	DRAWN BY CME 08/15/2001	CHECKED BY	APPROVED BY DAR 8/21/01
REV F	CHANGE NOTICE EN 13-0066	DRAWING NO 1008505000	SHEET 2 OF 2	