

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: HPCA54XX.00W3
(XX) DB VALUE

DESCRIPTION: HIGH POWER ATTENUATOR, BERYLLIA

ASSEMBLY DWG: 1901444

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 IMPEDANCE: 50Ω NOMINAL.
- 1.1.2 FREQUENCY RANGE: DC-2.5 GHZ.
- 1.1.3 ATTENUATION VALUES AVAILABLE: 1-10DB AND 20DB.
- 1.1.4 ATTENUATION ACCURACY @ 1 GHZ: 1 - 10 DB, ±0.5 DB.
20 DB, ±1.0 DB.
- 1.1.5 INPUT POWER: 20 WATTS CW.
 - 1.1.5.1 FULL RATED POWER TO 100°C, DERATED LINEARLY TO 0 WATTS AT 150°C.
 - 1.1.5.2 PEAK POWER, 100 WATTS FOR 10US PULSE WIDTH @ 1% DUTY CYCLE.
- 1.1.6 VSWR: DC - 1 GHZ - 1.15 MAX.
1 - 2.5 GHZ - 1.35 MAX.

1.2 MECHANICAL:

- 1.2.1 OUTLINE DWG: SEE SHEET 2.
- 1.2.2 WORKMANSHIP: PER MIL-PRF-55342.

1.3 ENVIRONMENTAL:

- 1.3.1 TEMPERATURE RANGE:
 - 1.3.1.1 STORAGE: -65°C TO +150°C.
 - 1.3.1.2 OPERATING: -55°C TO +150°C.

2.0 UNIT MARKING: DB VALUE.
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

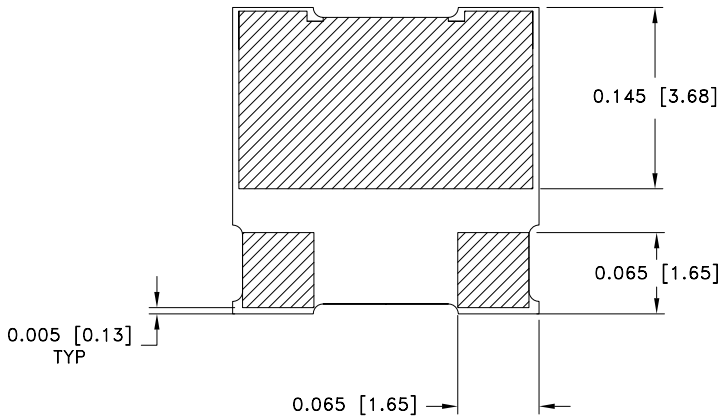
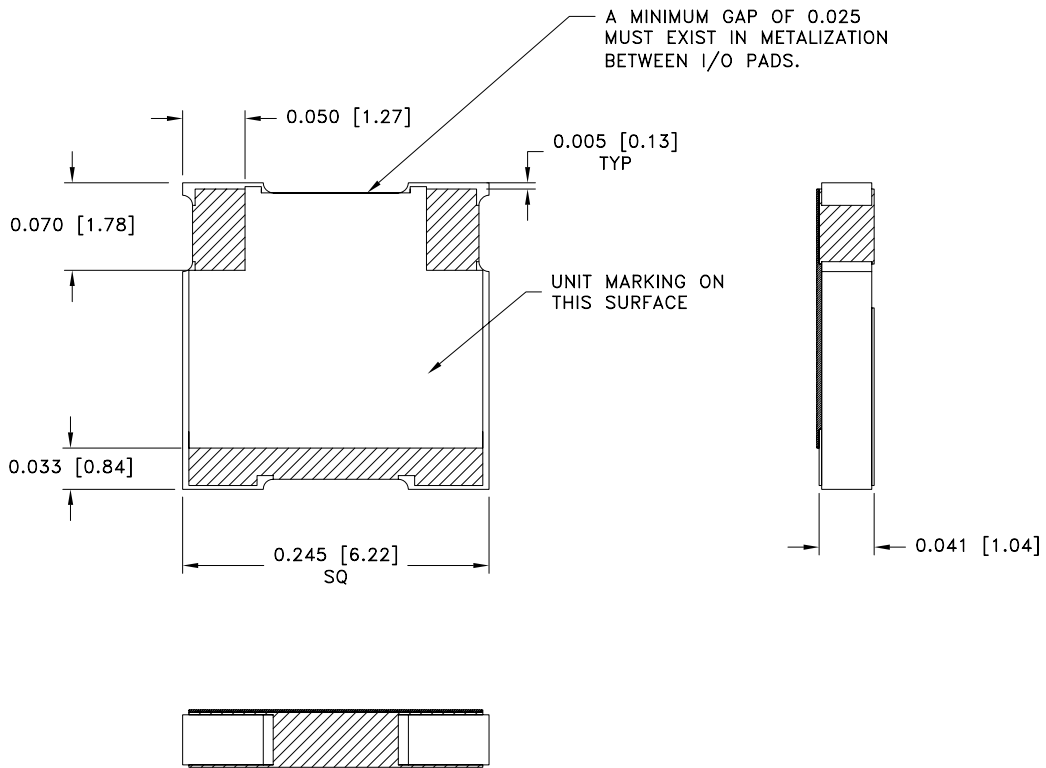
3.0 QUALITY ASSURANCE:

- 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 OUTLINE DWG REQUIREMENTS.
- 3.2 PERFORM INSPECTION IN ACCORDANCE WITH 824W170 AND 824F036 FOR COMMERCIAL GRADE PRODUCT.
- 3.3 DATA REQUIREMENTS:
 - 3.3.1 NO TEST DATA REQUIRED FOR CUSTOMER.
 - 3.3.2 DATA RETENTION - STANDARD.

4.0 PACKAGING: STANDARD BULK PACK PER 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE STUART, FLORIDA 34997	CAGE CODE # 24602		DWG #	1009125000
	CHANGE NOTICE	EN 10-0911	REV LVL	D
			SHEET	1 OF 2

PART ID REF
HPCA54XX.XXW3



MECHANICAL SPECIFICATIONS:

SUBSTRATE:
 MATERIAL - BERYLLIA, ASTM F356.
 TERMINAL:
 MATERIAL - THICK FILM, NICKEL BARRIER,
 SOLDER PLATED.
 RESISTIVE ELEMENT:
 MATERIAL - THICK FILM.

METRIC EQUIVALENTS IN [mm] ARE FOR REFERENCE INFORMATION ONLY



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	---
XXX	±0.005
XXXX	---

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CAGE CODE	SCALE	DRAWN BY	CHECKED BY	APPROVED BY
24602	10:1	JG 10/13/03		
REV	CHANGE NOTICE	DRAWING NO	SHEET	
D	EN 10-0911	1009125000	2 OF 2	