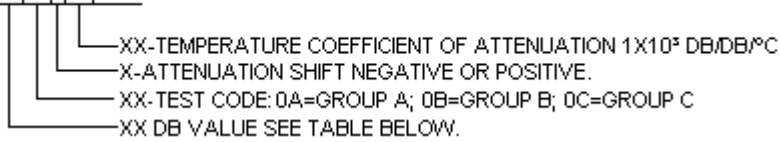


TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: HRMXXXXXXXXWIS



SHIFT (NEG)	DB VALUE	SHIFT (POS)	DB VALUE
-003	1, 2, 3, 4, 5, 6, 7, 8, 10	.003	1, 3, 6
-004	3, 4, 5, 6, 7	.005	1, 3, 6
-005	1,2, 3, 4, 5, 6, 7	.006	1
-006	2, 3, 4, 5, 6	.007	1, 2, 3, 6
-007	1, 2, 3, 4, 5, 6		

DESCRIPTION: TEMPERATURE VARIABLE CHIP ATTENUATOR WITH HIGH RELIABILITY TESTING.

NOTE: SINGLE LOT AND DATE CODE AVAILABLE UPON REQUEST.

ASSEMBLY DWG: N/A

1.0 SPECIFICATIONS:

- 1.1 ELECTRICAL:
 - 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
 - 1.1.2 OPERATING FREQUENCY RANGE: DC - 12.4GHZ.
 - 1.1.3 ATTENUATION VALUES AVAILABLE: SEE TABLE ABOVE.
 - 1.1.4 ATTENUATION ACCURACY AT 25°C: ±0.5DB @ 1 GHZ.
 - 1.1.5 VSWR: 1.30:1 MAX. @ 1GHZ.
 - 1.1.6 INPUT POWER: 200 MILLIWATTS CW.
 - 1.1.6.1 FULL RATED POWER TO 125°C, DERATED LINEARLY TO 0 WATTS AT 150°C.
 - 1.1.7 TEMPERATURE COEFFICIENT OVER OPERATING TEMPERATURE RANGE: SEE TABLE ABOVE, TEMPERATURE COEFFICIENT TOLERANCE: ±0.001 DB/DB/°C.
- 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 OPERATING TEMPERATURE RANGE: -55°C TO +150°C

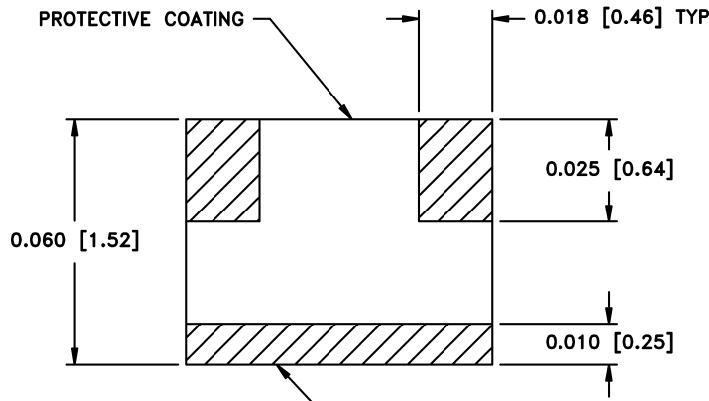
2.0 UNIT MARKING: NONE

3.0 QUALITY ASSURANCE:

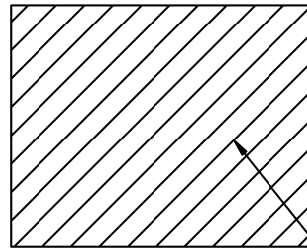
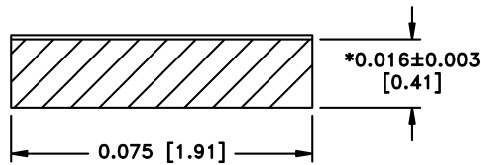
- 3.1 VERIFY 100% VISUAL PRE-CAP INSPECTION PERFORMED. PER TP-8965.
- 3.2 PERFORM GROUP A, B AND/OR C TESTING AS INDICATED BY THE PART NUMBER PER TP-8965.
- 3.3 TEST DATA REQUIREMENTS:
 - 3.3.1 TEST DATA REQUIRED FOR CUSTOMER - SEE PARAGRAPH 5.0 OF TP-8965.
 - 3.3.2 DATA RETENTION - 24 MONTHS.
 - 3.3.3 TEST SAMPLES REQUIRED FOR CUSTOMER - SEE PARAGRAPH 5.0 OF TP-8965.

4.0 PACKAGING: STANDARD PACK PER 755W002. (SERIALIZED WAFFLE PACK)

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1009825000
	CHANGE NOTICE	EN 09-E0458	REV LVL	D
			SHEET	1 <u>OF</u> 2



HATCHED AREA REPRESENTS METALIZATION



UNITS MARKED ON THIS SURFACE

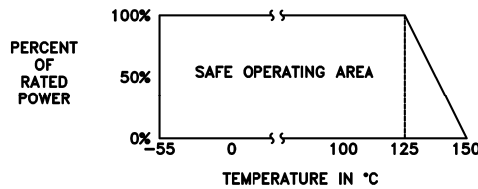
MECHANICAL SPECIFICATIONS:

SUBSTRATE:
 MATERIAL - ALUMINA 96%, MIL-I-10.
TERMINAL:
 MATERIAL - THICK FILM, NICKEL BARRIER, SOLDER COATED.
RESISTIVE ELEMENT:
 MATERIAL - THICK FILM.

METRIC EQUIVALENTS GIVEN IN [mm] FOR REFERENCE INFORMATION ONLY

* DIMENSIONS APPLY BEFORE SOLDER. ALLOW 0.015 MAX FOR ALL PRETINNED SURFACES.

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	---
XXX	±0.005
XXXX	---

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CAGE CODE	SCALE	DRAWN BY	CHECKED BY	APPROVED BY
24602	N/A	CRH 05/05/09		DAR 12/8/04
REV	CHANGE NOTICE	DRAWING NO	SHEET	
D	EN 09-E0458	1009825000	2 OF 2	