# TITLE: SPECIFICATION CONTROL DRAWING EMC PROPRIETARY

REVISIONS RECORD								
REV	SHEET	DATE	DESCRIPTION					

1	1-3	11/19/07	PRELIMINARY RELEASE
2	1-3	10/16/08	PRELIMINARY RELEASE UPDATE SPECS AND ADD MARKING
-	1-2	08/28/13	EN 13-2751, NEW RELEASE
	1	1	

## **ENGINEERING NOTES**

TEST TIMES: GROUP A = 2 WEEKS GROUP B = 8 WEEKS GROUP C = 8 WEEKS

STANDARD LEADTIME 10 WEEKS TO BUILD PRODUCT BEFORE TESTING IF NO STOCK AVAILABLE.

EMC TECHNOLOGY				SHEET	REF
8851 SW OLD KANSAS AVE.	CAGE CODE # 24602	DWG#	1011785000		
STUART, FL 34997				REV LEVE	L -

## TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: HRKFAXX.00XX

X = FREQUENCY RANGE SEE TABLE 1

X = TEST CODE A=GROUP A, B=GROUP B AND C=GROUP C

XX ATTENUATION VALUE

#### TABLE 1

NUMBER	FREQUENCY					
CODE	RANGE (GHZ)					
5	16-36					

**DESCRIPTION:** HIGH RELIABILITY CHIP ATTENUATOR (K-BAND).

**ASSEMBLY DWG:** N/A

#### 1.0 SPECIFICATIONS:

- 1.1 ELECTRICAL:
  - 1.1.1 OPERATING FREQUENCY RANGE (BANDWIDTH): SEE TABLE 1.
  - 1.1.2 ATTENUATION VALUES: 1-10 DB
  - 1.1.3 ATTENUATION TOLERANCE AT 25°C: ±1.00 dB.
  - 1.1.4 POWER DISSIPATION: 200 mW @ +100°C, DERATED LINEARLY TO ZERO WATT @ +150°C.
  - 1.1.5 VSWR: 1.35:1 TYPICAL
- 1.2 MECHANICAL:
  - 1.2.1 OUTLINE DWG AND DERATING CURVE: SEE SHEET 3.
  - 1.2.2 WORKMANSHIP: PER MIL-PRF-55342.
- 1.3 ENVIRONMENTAL:
  - 1.3.1 OPERATING TEMPERATURE RANGE: -55°C TO +150°C.
  - 1.3.2 STORAGE TEMPERATURE: -55°C TO +150°C.
- 2.0 UNIT MARKING: DB VALUE

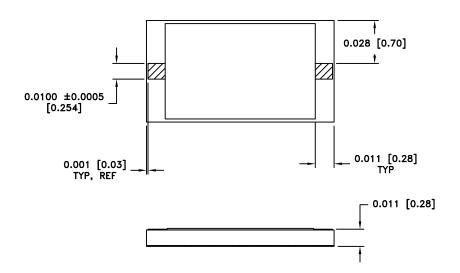
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

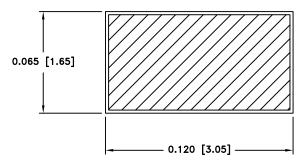
#### 3.0 QUALITY ASSURANCE:

- 3.1 VERIFY 100% VISUAL PRE-CAP INSPECTION PERFORMED PER TP-9010
- 3.2 PERFOM GROUP A, B AND/OR C TESTING AS INDICATED BY THE PART NUMBER PER TP-9010.
- 3.3 TEST DATA REQUIREMENTS:
  - 3.3.1 TEST DATA REQUIRED FOR CUSTOMER TP-9010.
  - 3.3.2 DATA RETENTION 24 MONTHS.
  - 3.3.3 TEST SAMPLES REQUIRED FOR CUSTOMER TP-9010.
- **4.0 PACKAGING**: STANDARD WAFFLE PACKING PER 755W002.

EMC TECHNOLOGY	CA	DWG#	1011785000			
8851 SW OLD KANSAS AVE.	CHANGE NOTICE	EN 13-2751	REV LVL	-		
STUART, FL 34997			SHEET	1 <b>OF</b> 2		

PART ID REF



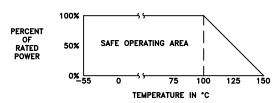


## MECHANICAL SPECIFICATIONS:

SUBSTRATE:
MATERIAL - ALUMINA, MIL-I-10.
TERMINAL:
MATERIAL - THICK FILM, BONDABLE GOLD.
GROUND PLANE:
MATERIAL - THICK FILM.
PROTECTIVE COATING:
MATERIAL - EPOXY BASED.
RESISTIVE ELEMENT:
MATERIAL - THICK FILM.

METRIC EQUIVALENTS GIVEN IN [mm] FOR REFERENCE INFORMATION ONLY

### POWER RATING AND DERATING



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