

TITLE: SPECIFICATION CONTROL DRAWING
EMC PROPRIETARY


REVISIONS RECORD			
REV	SHEET	DATE	DESCRIPTION

[illegible]

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602	DWG# 1011455000	SHEET	REF
			REV LEVEL	A

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: TT3XXXW3

 (0) = .0 DB AND (5) = .5 DB
VALUE WHOLE DB VALUE (00 THRU 20)

DESCRIPTION: CHIP ATTENUATOR

ASSEMBLY DWG: 1902044

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
- 1.1.2 FREQUENCY RANGE: DC-8 GHZ.
- 1.1.3 ATTENUATION VALUES AVAILABLE: 0-20 DB IN .5 DB INCREMENTS.
- 1.1.4 ATTENUATION ACCURACY: SEE TABLE.

ATTENUATION ACCURACY		
DB	DC - 4 GHZ	4 - 8 GHZ
0	-0,+0.3	-0,+0.5
.5 - 3	±0.3	±0.5
3.5 - 6	±0.4	±0.5
6.5 - 10	±0.5	±0.5
10.5 - 15	±0.75	+0.5,-3.0
15.5 - 20	±1.0	+0.5,-4.0

1.1.5 VSWR: DC - 4 GHZ - 1.25.

4 - 8 GHZ - 1.35.

1.1.6 INPUT POWER: 2 WATTS CW.

1.1.6.1 FULL RATED POWER TO 125°C, DERATED LINEARLY TO 0 WATTS AT 150°C.

1.1.6.2 PEAK POWER, 50 WATTS FOR 10US PULSE WIDTH @ 1% DUTY CYCLE.

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 ALTITUDE:

1.3.1.1 NON-OPERATING: SEA LEVEL TO 50,000 FEET.

1.3.1.2 OPERATING: SEA LEVEL TO 50,000 FEET.

1.3.2 TEMPERATURE RANGE:

1.3.2.1 NON-OPERATING: -55 C TO +150 C.

1.3.2.2 OPERATING: -55°C TO +150°C.

1.3.3 VIBRATION: PER MIL-STD-202, METHOD 204, COND. D.

1.3.4 SHOCK: PER MIL-STD-202, METHOD 213, COND. I.

1.3.5 MOISTURE RESISTANCE: PER MIL-STD-202, METHOD 106 EXCEPT SUBCYCLE STEPS 7A AND 7B AND POLARIZATION AND LOAD ARE NOT APPLICABLE.

2.0 UNIT MARKING: "DB VALUE". GREEN DOT ADDS 0.5DB. 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 FOR COMMERCIAL GRADE PRODUCT.

3.3 TEST DATA REQUIREMENTS:

3.3.1 NO TEST DATA REQUIRED FOR CUSTOMER.

3.3.2 DATA RETENTION – 24 MONTHS.

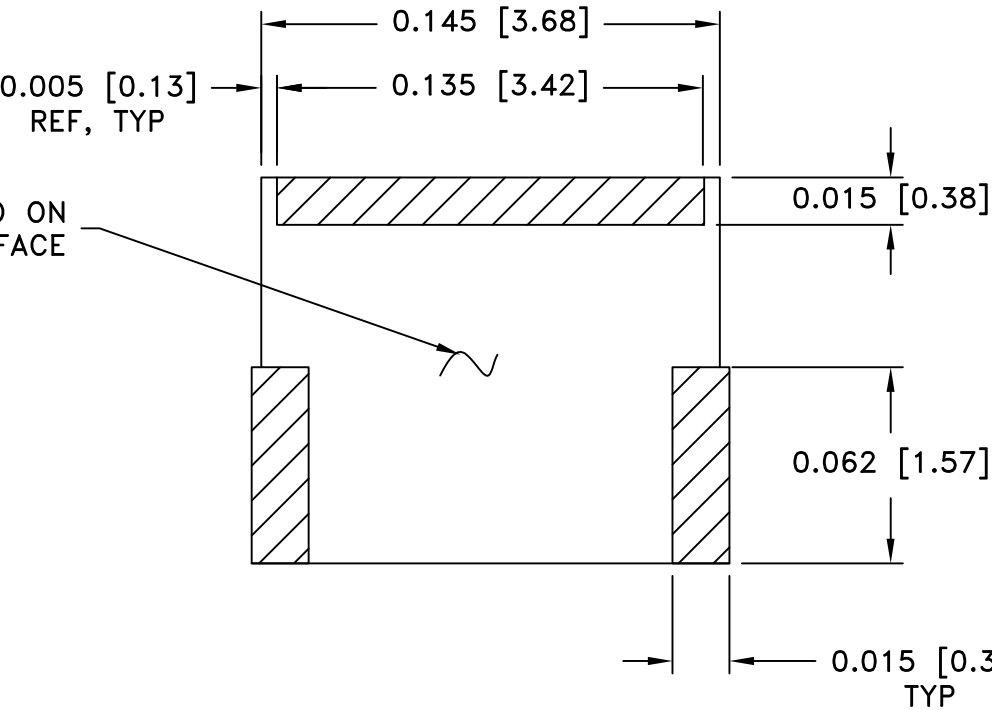
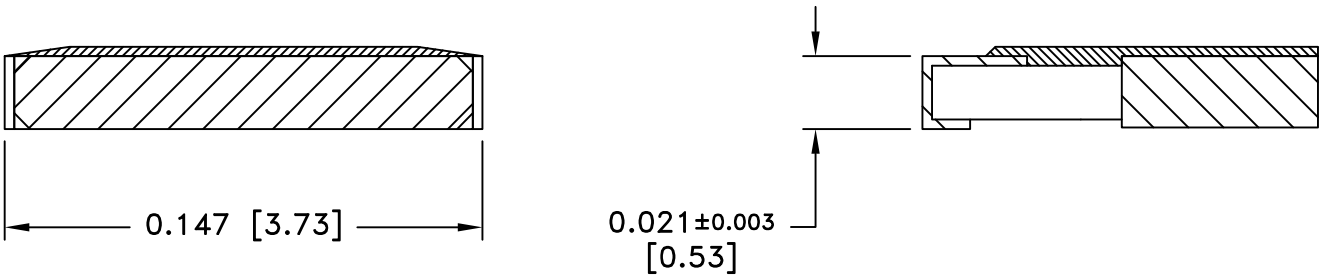
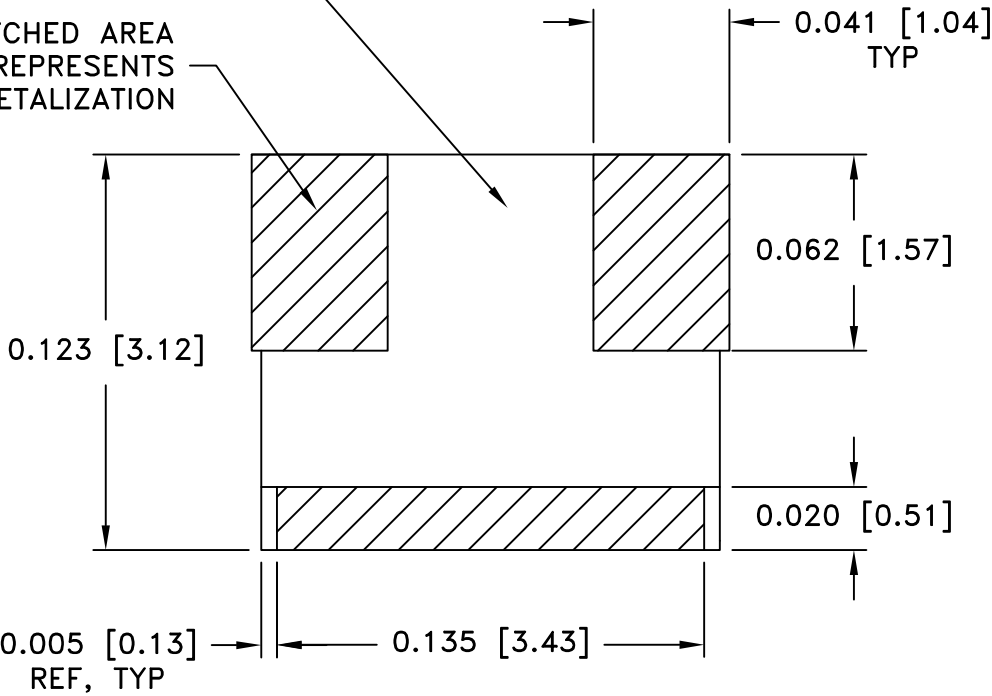
4.0 PACKAGING: STANDARD PACK PER 755W002.

EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1011455000
	CHANGE NOTICE	EN 11-1333	REV LVL	A
			SHEET	1 OF 2

PART ID REF
TT3XXXW3

PROTECTIVE COATING
TOP ONLY

HATCHED AREA
REPRESENTS
METALIZATION



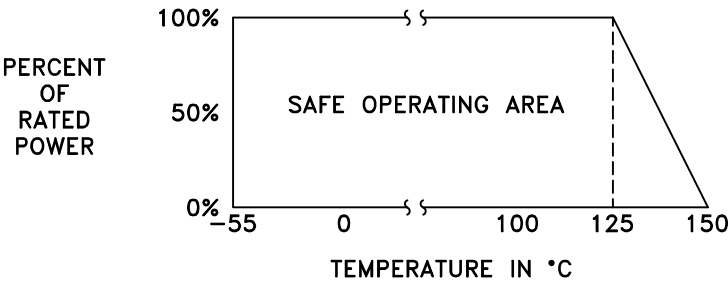
UNITS MARKED ON
THIS SURFACE


MECHANICAL SPECIFICATIONS:

- SUBSTRATE:
MATERIAL — ALUMINA, MIL-I-10.
- TERMINAL:
MATERIAL — THICK FILM, NICKEL BARRIER,
SOLDER PLATED.
- RESISTIVE ELEMENT:
MATERIAL — THIN FILM TANTALUM NITRIDE.

METRIC EQUIVALENTS GIVEN IN [mm]
FOR REFERENCE INFORMATION ONLY

POWER RATING AND DERATING



<div> 8851 SW OLD KANSAS AVE STUART, FL 34997 PHONE NO. (772)286-9300 FAX NO. (772)283-5286</div>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		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.						
	TOLERANCES		CAGE CODE	SCALE	DRAWN BY	CHECKED BY	APPROVED BY		
	FRACT	-- --	24602	N/A	CRH 05/02/07				
	ANG	-- --	REV	CHANGE NOTICE		DRAWING NO		SHEET	
	XX	-- --	A	EN 11-1333		1011455000		2 OF 2	
	XXX	±0.005							
	XXXX	-- --							