

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: TS04XX
(XX) DB VALUE

DESCRIPTION: CHIP ATTENUATOR

ASSEMBLY DWG: 1901424

1.0 SPECIFICATIONS:

- 1.1 ELECTRICAL:
 - 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
 - 1.1.2 FREQUENCY RANGE: SEE TABLE.
 - 1.1.3 ATTENUATION VALUES AVAILABLE: 0 – 10 AND 20DB
 - 1.1.4 ATTENUATION ACCURACY: SEE TABLE.

ATTENUATION ACCURACY			
DB	DC – 2.5 GHZ	2.6 GHZ – 4 GHz	4.0 GHZ – 6.0 GHz
0	+0.3	+ 0.6	+ 0.8
1-3	± 0.3	± 0.6	± 0.8
4-6	± 0.4	± 0.8	± 0.8
7-10	± 0.5	± 1.0	± 1.0
20	± 2.0	-	-

- 1.1.5 VSWR: DC – 2.5 GHZ - 1.15:1
2.6 GHz – 6 GHz-1.25:1
- 1.1.6 INPUT POWER: 1 WATT.
 - 1.1.6.1 FULL RATED POWER TO 85°C, DERATED LINEARLY TO 0 WATTS AT 150°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 TEMPERATURE RANGE:
 - 1.3.1.1 NON-OPERATING: -55°C TO +150°C.
 - 1.3.1.2 OPERATING: -40°C TO +150°C.

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

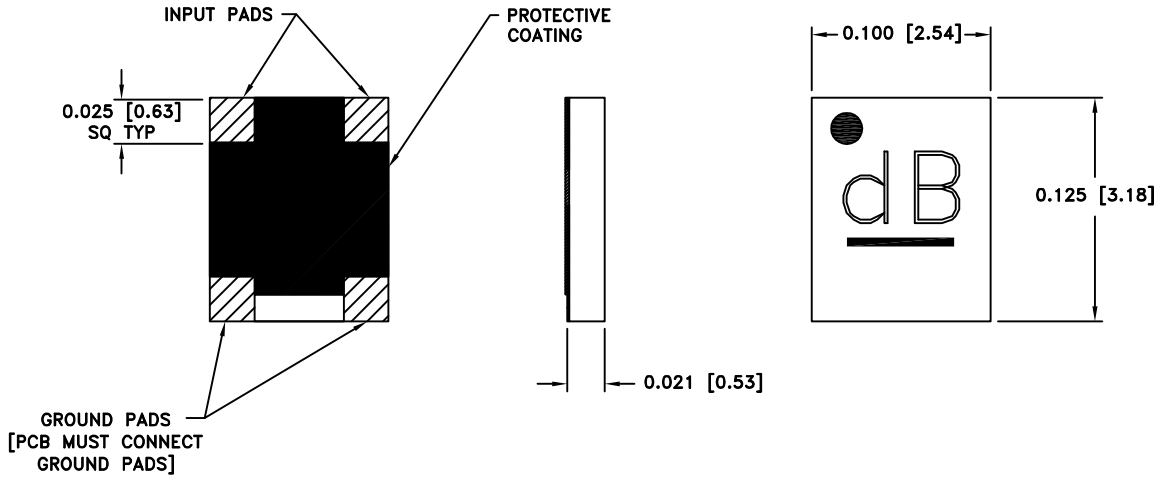
3.0 QUALITY ASSURANCE:

- 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 DRAWING REQUIREMENTS.
- 3.2 INSPECTION IN ACCORDANCE WITH 824W160 AND 824F036 FOR COMMERCIAL GRADE PRODUCT.
- 3.3 TEST 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, FL 34997	CAGE CODE # 24602		DWG #	1009095000
	CHANGE NOTICE	EN 12-0404	REV LVL	E
			SHEET	1 <u>OF</u> 2


PART NO.
TS04XX



MECHANICAL SPECIFICATIONS:

SUBSTRATE:
MATERIAL - ALUMINA 96%, MIL-I-10.
TERMINAL:
MATERIAL - THICK FILM, NICKEL BARRIER,
SOLDER PLATE, Sn60 Pb40.
RESISTIVE ELEMENT:
MATERIAL - METAL FILM.

METRIC EQUIVALENTS GIVEN IN [mm]
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 --- --	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 N/A	DRAWN BY JG 1/7/10	CHECKED BY	APPROVED BY	
	REV E	CHANGE NOTICE EN 12-0404	DRAWING NO 1009095000	SHEET 2 OF 2		