

TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: TS04XXS
(XX) DB VALUE

DESCRIPTION: CHIP ATTENUATOR

ASSEMBLY DWG: 1902004

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: 1 – 10 AND 20DB
 - 1.1.4 ATTENUATION ACCURACY: SEE TABLE.

ATTENUATION ACCURACY			
DB	DC – 2.5 GHZ	2.6 GHz – 4 GHz	4 GHz – 6 GHz
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" INPUT DOT. LEGIBILITY AND PERMANENCY PER MIL-STD-130.

3.0 QUALITY ASSURANCE:

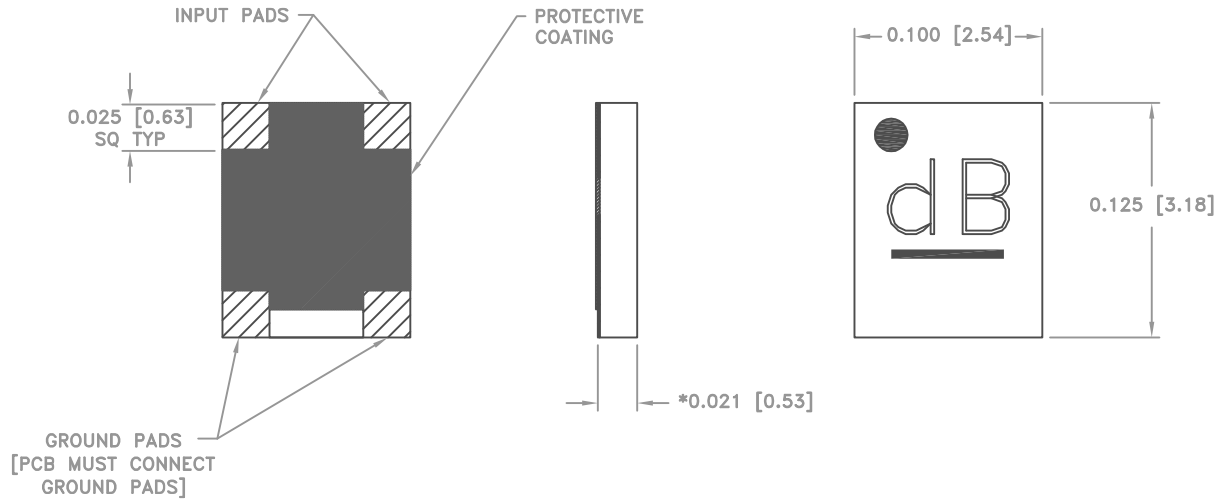
- 3.1 SAMPLE INSPECT PER ANSI/ASQC Z1.4, GENERAL INSPECTION, LEVEL II, AQL=1.0
 - 3.1.1 VISUAL AND MECHANICAL EXAMINATION FOR CONFORMANCE TO OUTLINE DRAWING REQUIREMENTS.
- 3.2 INSPECTION IN ACCORDANCE WITH 824W160 AND 824F036 FOR COMMERCIAL GRADE PRODUCT.
- 3.3 TEST DATA REQUIREMENTS:
 - 3.3.1 NO TEST 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 #	1011395000
	CHANGE NOTICE	EN 12-0226	REV LVL	B
			SHEET	1 <u>OF</u> 2

PART NO.

TS04XXS



MECHANICAL SPECIFICATIONS:

SUBSTRATE:

MATERIAL - ALUMINA 96%, MIL-I-10.

TERMINAL:

MATERIAL - THICK FILM, NICKEL BARRIER, SOLDER COATED, Sn60 Pb40.

RESISTIVE ELEMENT:

MATERIAL - METAL FILM.

* DIMENSIONS APPLY BEFORE SOLDER. ALLOW 0.003/0.015 FOR ALL PRETINNED SURFACES.

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	---

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CAGE CODE	SCALE	DRAWN BY	CHECKED BY	APPROVED BY
24602	15:1	JG 1/6/10		
REV	CHANGE NOTICE	DRAWING NO	SHEET	
B	12-0226	1011395000	2 OF 2	