

**TITLE: SPECIFICATION CONTROL DRAWING**

**PART IDENTIFIER:** TS0500W3S KIT

**DESCRIPTION:** CHIP ATTENUATOR KIT  
1 THRU 10DB IN 1DB INCREMENTS, 5 PIECES EACH.

**ASSEMBLY DWG:** N/A

**1.0 SPECIFICATIONS**

**1.1 ELECTRICAL**

- 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
- 1.1.2 FREQUENCY RANGE: DC-18GHZ
- 1.1.3 ATTENUATION ACCURACY: ±0.5DB @ 1 GHZ.
- 1.1.4 VSWR: 1.30 MAX.
- 1.1.5 INPUT POWER: 100 MILLIWATTS CW.
  - 1.1.5.1 FULL RATED POWER TO 125°C, DERATED LINEARLY TO 0 WATTS AT 150°C.
  - 1.1.5.2 PEAK POWER, 1 WATTS FOR 10US PULSE WIDTH @ 1% DUTY CYCLE.

**1.2 MECHANICAL:**

- 1.2.1 OUTLINE DWG: SEE SHEET 2, FIGURE 1.
- 1.2.2 WORKMANSHIP: PER MIL-R-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.

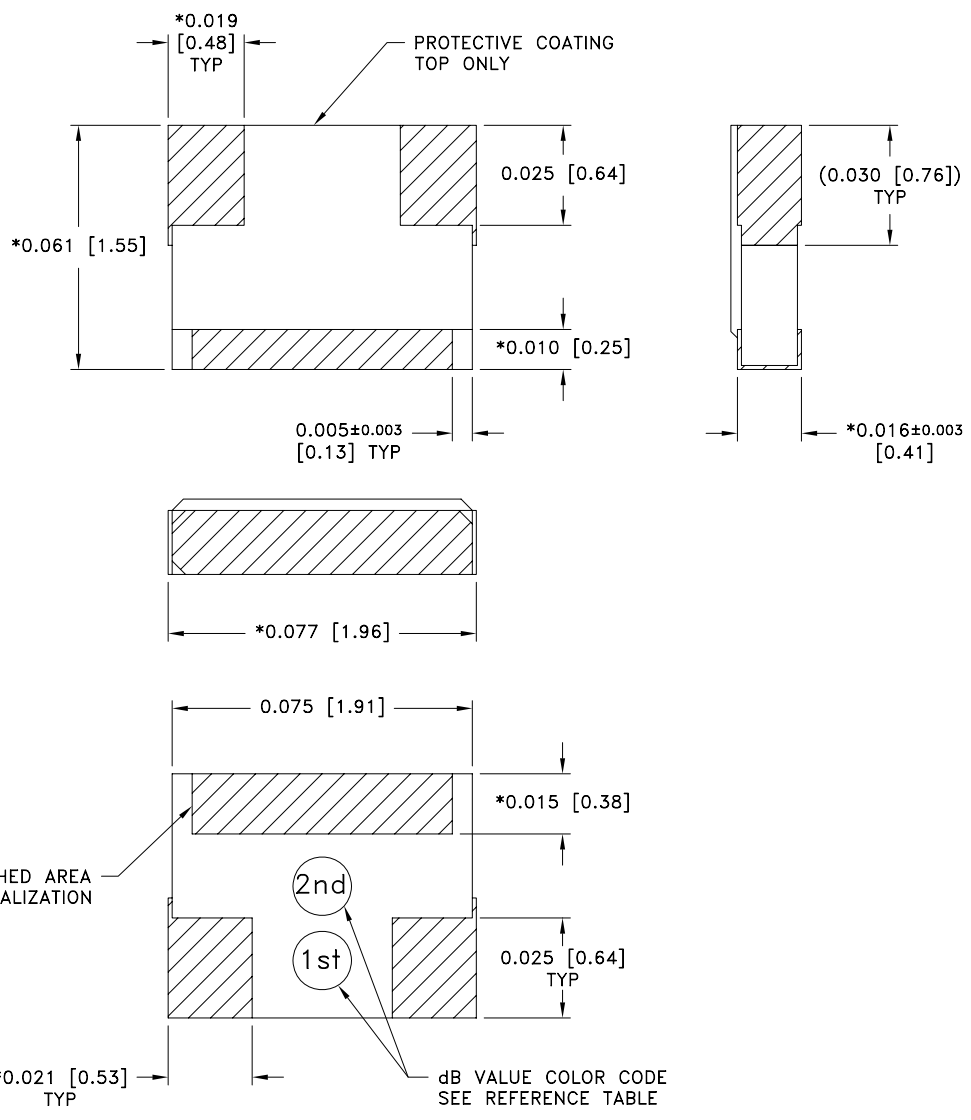
**2.0 UNIT MARKING:** MARK ONLY WITH COLOR DOT. LEGIBILITY AND PERMANENCY PER MIL-STD-130.

**3.0 QUALITY ASSURANCE:** N/A

**4.0 PACKAGING:** STANDARD WAFFLE PACK PER 755W002.

<b>EMC TECHNOLOGY</b> <b>8851 SW OLD KANSAS AVE.</b> <b>STUART, FL 34997</b>	<b>CAGE CODE # 24602</b>		<b>DWG #</b>	1007645000
	<b>CHANGE NOTICE</b>	EN 10-0911	<b>REV LVL</b>	B
			<b>SHEET</b>	1 OF 2

PART ID REF  
TSO5XXW3S KIT



MECHANICAL SPECIFICATIONS:  
TSO5XXW3S CHIP ATTENUATOR.

REFERENCE TABLE		
dB VAL	DOT COLOR	
	1st	2nd
1	BRN	---
2	RED	---
3	ORG	---
4	YEL	---
5	GRN	---
6	BLU	---
7	VIO	---
8	GRY	---
9	WHT	---
10	BRN	BLK

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

METRIC EQUIVALENTS GIVEN IN [mm]  
FOR REFERENCE INFORMATION ONLY

<p>8851 SW OLD KANSAS AVE STUART, FL 34997 PHONE NO. (772)286-9300 FAX NO. (772)283-5286</p>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES <b>TOLERANCES</b> FRACT --- -- ANG --- -- XX --- -- XXX $\pm 0.005$ 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 <b>24602</b>	SCALE <b>32:1</b>	DRAWN BY <b>EMV</b>	CHECKED BY <b>CSS 2-9-99</b>	APPROVED BY <b>DAR 2-9-99</b>	
		REV <b>B</b>	CHANGE NOTICE <b>EN 10-0911</b>		DRAWING NO <b>1007645000</b>	SHEET <b>2 OF 2</b>	