TITLE: SPECIFICATION CONTROL DRAWING

PART IDENTIFIER: TS03XX

(XX) DB VALUE

DESCRIPTION: CHIP ATTENUATOR

ASSEMBLY DWG: 1900004

1.0 SPECIFICATIONS:

- 1.1 ELECTRICAL:
 - 1.1.1 IMPEDANCE: 50 OHMS NOMINAL.
 - 1.1.2 FREQUENCY RANGE: DC-12.4 GHZ.
 - 1.1.3 ATTENUATION VALUES AVAILABLE: 0-20 DB IN 1 DB INCREMENTS.
 - 1.1.4 ATTENUATION ACCURACY: SEE TABLE.

ATTENUATION ACCURACY							
DB	DC - 4 GHZ	4 - 8 GHZ	8 - 12.4 GHZ				
0	-0, +.3	-0, +.5	-0, +.5				
1 -3	±0.3	±0.5	±0.5				
4 - 6	±0.4	±0.5	±0.5				
7 - 10	±0.5	±0.5	±0.75				
11 - 15	±0.75	+0.5,-3.0	+0.5,-3.5				
16 - 20	±1.0	+0.5,-4.0	+1.0,-6.0				

- 1.1.5 VSWR: DC 4 GHZ 1.25
- 8 12.4 GHZ 1.50
- 4 8 GHZ 1.35 1.1.6 INPUT POWER: 2 WATTS 0
 - 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.
- 1.4 ELECTROSTATIC DISCHARGE CONTROL: PER MIL-STD-1686.
- 2.0 UNIT MARKING: "DB VALUE". 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 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 24 MONTHS.
- 4.0 PACKAGING: STANDARD PACK PER 755W002.

EMC TECHNOLOGY	CAGE CODE # 24602		DWG#	1000435000		
8851 SW OLD KANSAS AVE	CHANGE NOTICE	EN 10-0911	REV LVL	L	•	
STUART, FLORIDA 34997			SHEET	1	OF	2

