



**TITLE: SPECIFICATION CONTROL DRAWING**

**PART IDENTIFIER:** CT2525ALNF

**DESCRIPTION:** HIGH POWER CHIP TERMINATION, ALUMINUM NITRIDE LEAD FREE

**ASSEMBLY DWG:** 1102344

**1.0 SPECIFICATIONS:**

- 1.1 ELECTRICAL:
  - 1.1.1 IMPEDANCE: 50Ω NOMINAL.
  - 1.1.2 FREQUENCY: DC - 4 GHZ.
  - 1.1.3 VSWR: 1.35:1 MAX.
  - 1.1.4 INPUT POWER:
    - 1.1.4.1 HEAT SINK 100°C: 40 WATTS (DERATE POWER LINEARLY TO 0 WATTS @ 125°C).
- 1.2 MECHANICAL:
  - 1.2.1 OUTLINE DWG: SEE SHEET 2.
- 1.3 ENVIRONMENTAL:
  - 1.3.1 TEMPERATURE RANGE:
    - 1.3.1.1 NON-OPERATING: -55°C TO +150°C.
    - 1.3.1.2 OPERATING: -55°C TO +125°C.

**2.0 UNIT MARKING:** NONE.

**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 PER 824W154.
  - 3.1.2 DC RESISTANCE: 50Ω ± 5%.
- 3.2 DATA REQUIREMENTS:
  - 3.2.1 NO TEST DATA REQUIRED FOR CUSTOMER.
  - 3.2.2 DATA RETENTION – 24 MONTHS.

**4.0 PACKAGING:** STANDARD PACKING 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>	1013025000
	<b>CHANGE NOTICE</b>	EN 13-3476	<b>REV LVL</b>	-
			<b>SHEET</b>	1 OF 2