

ORDERING INFORMATION

PART IDENTIFIER: CT2010ALN

SPECIFICATIONS

1. ELECTRICAL:

Impedance:	50 Ω Nominal.
Frequency:	DC - 4 GHz.
VSWR:	1.25:1 Max.
Input Power:	Heat Sink 100°C: 20 Watts. (Derate Power Linearly To 0 Watts @ 125°C).

2. ENVIRONMENTAL:

Non-Operating Temperature:	-55°C To +150°C.
Operating Temperature:	-55°C To +125°C.

3. MARKING:

Unit Marking:	No Marking.
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4. QUALITY ASSURANCE:

Sample Inspect Per ANSI/ASQC Z1.4 General Inspection, Level II, AQL = 1.0.

Visual And Mechanical Per 824W154.

DC Resistance: 50 $\Omega \pm 5\%$.

Data Requirements:

No Test Data Required for Customer.

Data Retention – 24 Months.

5. PACKAGING:

Standard Pack per 755W002.

6. MECHANICAL:

Substrate (Material):	Aluminum Nitride mil-i-10.
Terminals and Ground Plane (Material):	Thick Film, Nickel Barrier, Solder Plated.
Resistive Element (Material):	Thick Film.
Workmanship:	Per MIL-STD-454, Required 9.

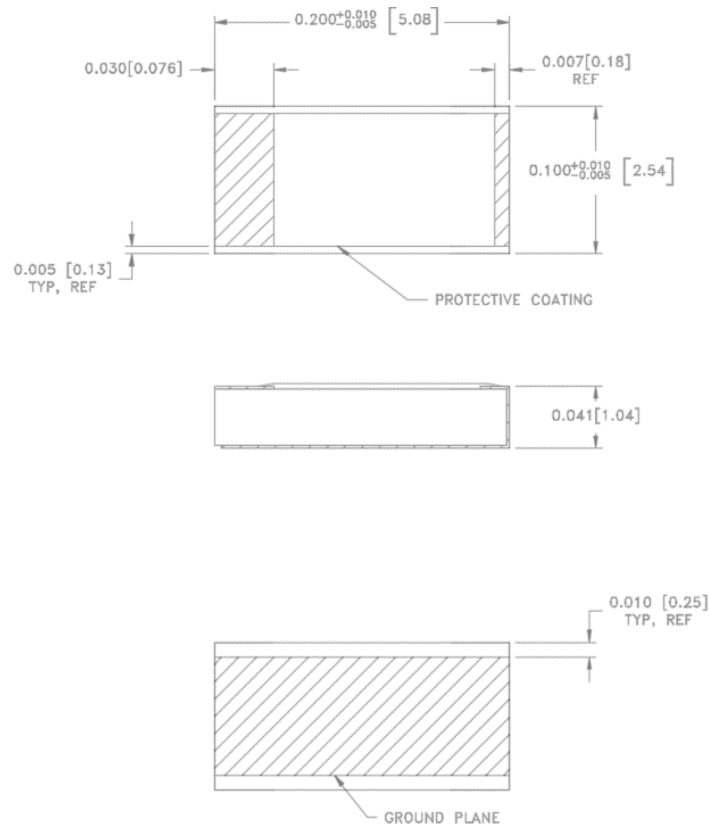
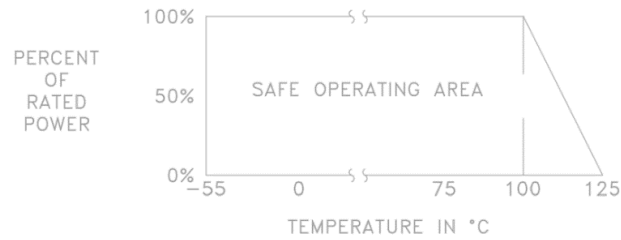
HIGH POWER CHIP TERMINATION, ALUMINUM NITRIDE

DATASHEET PART SERIES: CT2010ALN

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Doc# CT2010ALN-1009055

ECO-083989
Revision L

POWER RATING AND DERATING



Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.02 X.XXX = ± 0.010.