

TERMINATION CVD DIAMOND CHIP 125 WATTS

DATASHEET PART SERIES: CT1310D

Sheet 1 of 2
Doc# CT1310D-1010545ECO-082846
Revision A

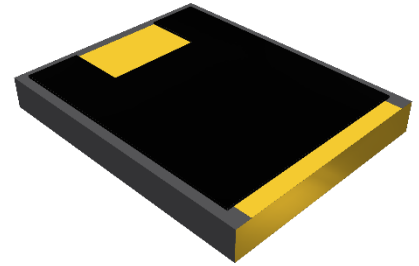
ORDERING INFORMATION

Part Identifier: CT1310D

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 Ω \pm 5%
Frequency Range:	DC – 14.0 GHz
Input Power CW:	125 Watts
Peak Power:	5000 W (1 μ s pulse width / 1% duty cycle)
VSWR:	1.40:1 Max



2.0 ENVIRONMENTAL

Operating Temperature:	-55 °C To +150 °C
Storage Temperature:	-55 °C To +150 °C
Temperature Coefficient:	\pm 200 PPM/°C Max

3.0 MARKING

Unit Marking:	None
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4.0 QUALITY ASSURANCE

Sample Inspect Per ANSI/ASQC Z1.4 General Inspection, Level II, 1.0% AQL.
Visual and Mechanical Inspection for Conformance to Outline Drawing
Measure DC Resistance
Data Retention - Standard

5.0 PACKAGING

Standard:	Waffle Packaging
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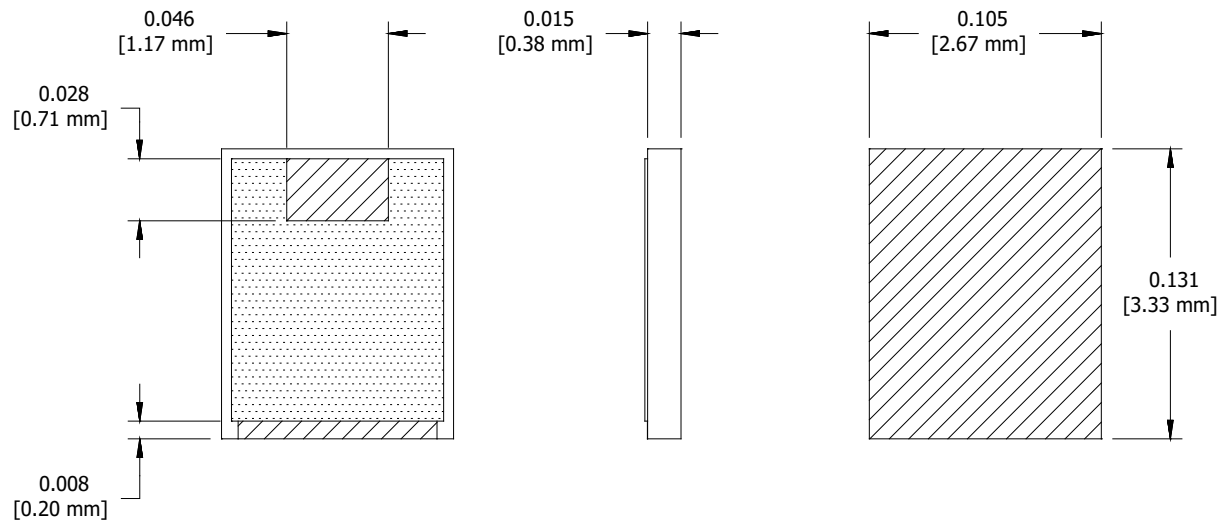
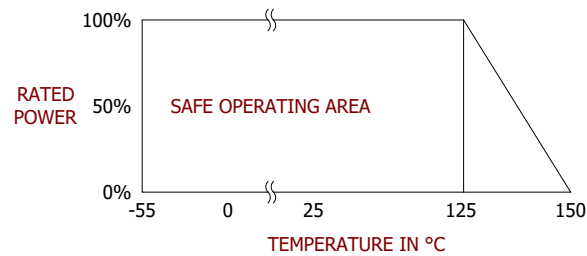
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6.0 MECHANICAL

Substrate Material:	CVD Diamond
Terminal Material:	Gold over Nickel
Ground Plane Material:	Gold over Platinum
Resistive Element:	Thin Film
Metric Dimensions:	Provided for reference only

Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.01 X.XXX = ± 0.005