

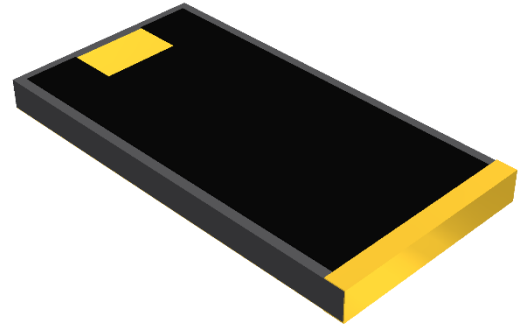
TERMINATION CVD DIAMOND CHIP 300 WATTS

DATASHEET PART SERIES: CT2010D

Sheet 1 of 2
Doc# CT2010D-1013505ECO-082846
Revision A

ORDERING INFORMATION

Part Identifier: CT2010D



SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 Ω \pm 5%
Frequency Range:	DC – 12.4 GHz
Input Power CW:	300 Watts
Peak Power:	8000 W (1 μ s pulse width / 1% duty cycle)
VSWR:	DC - 8.0 GHz 1.25:1 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:	Tape and Reel
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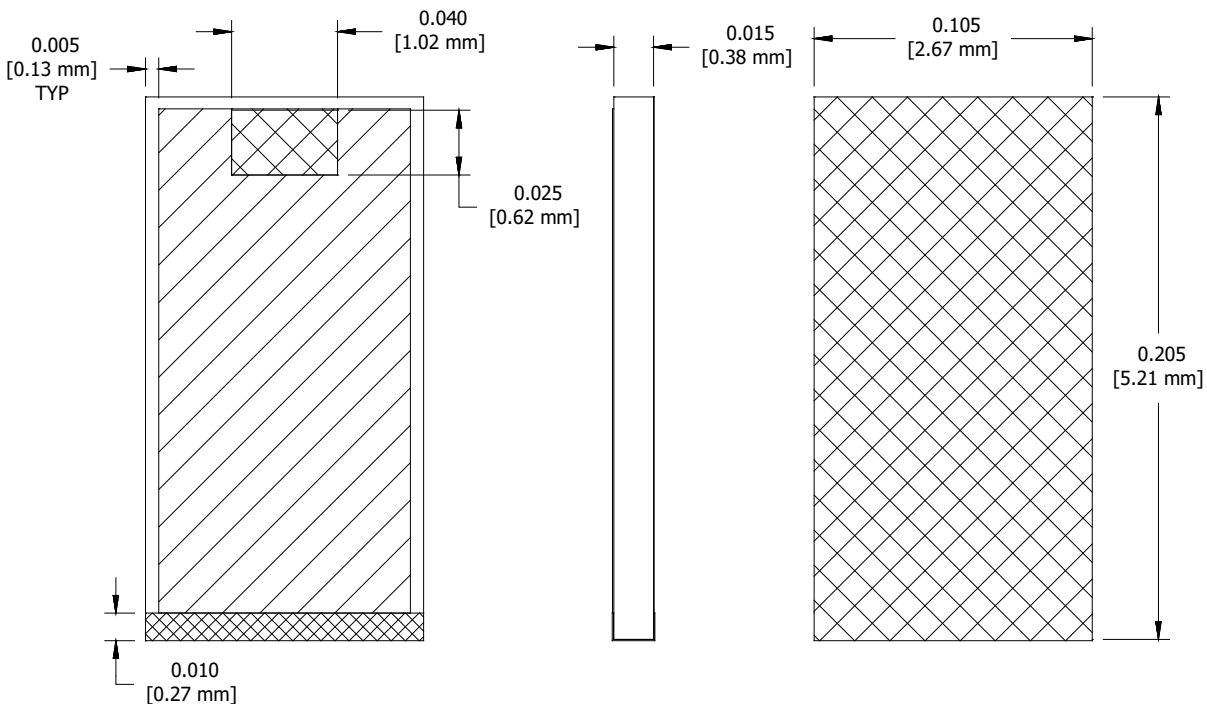
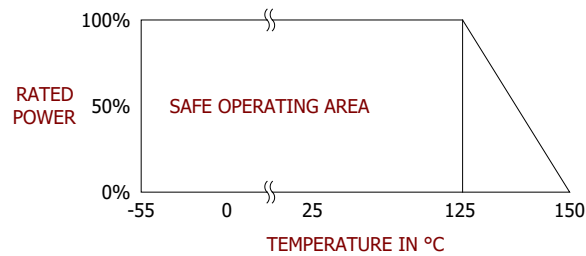
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Sheet 2 of 2
Doc# CT2010D-1013505ECO-082846
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6.0 MECHANICAL

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