

TERMINATION CVD DIAMOND 50 WATTS, BENT TAB

DATASHEET PART SERIES: CT0505DTB

Sheet 1 of 2
Doc# CT0505DTB-1013175ECO-082846
Revision A

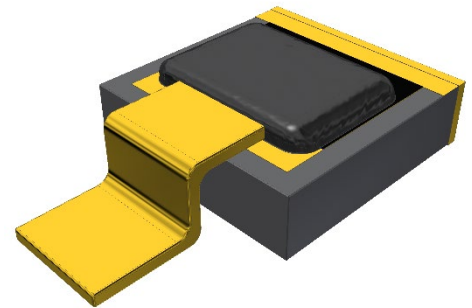
ORDERING INFORMATION

Part Identifier: CT0505DTB

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 $\Omega \pm 5\%$
Frequency Range:	DC – 20 GHz
Input Power:	50 Watts
Peak Power:	500 Watts (1 μ s pulse width/1% duty cycle)
VSWR:	1.6:1 Max



2.0 ENVIRONMENTAL

Operating Temperature:	-55°C To +125°C
Non-operating Temperature:	-55 °C To +150 °C
Temperature Coefficient:	± 200 PPM/°C Max

3.0 MARKING

Unit Marking:	None
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4.0 QUALITY ASSURANCE

Sample Inspect Per MIL-STD-105, 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
Optional:	Tape and Reel

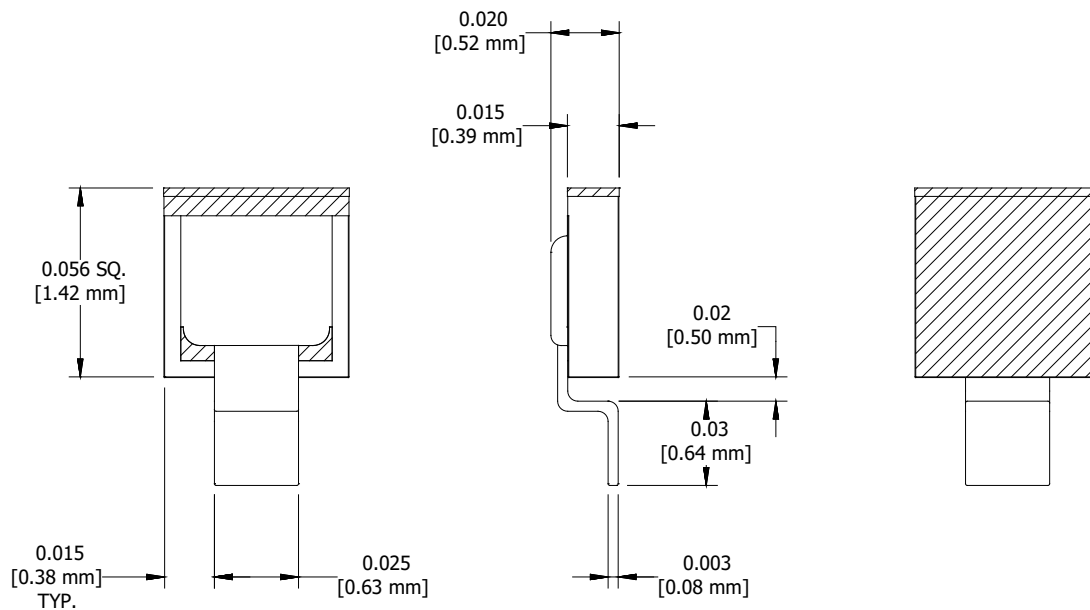
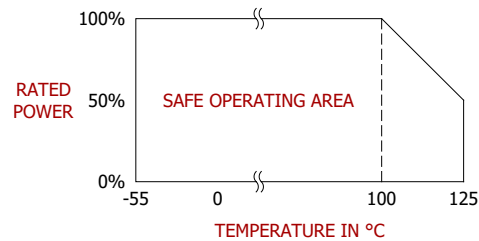
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6.0 MECHANICAL

Substrate Material:	CVD Diamond
Resistive Element:	Passivated TaN
Ground Plane Metallization:	Gold over Platinum
Terminal Metallization:	Gold over Nickel
Tabs:	Beryllium Copper; Gold Plated
Metric Dimensions:	Provided for reference only



Unless Otherwise Specified:

TOLERANCE: X.XX = ± 0.01 X.XXX = ± 0.005