

RESISTOR CVD DIAMOND CHIP 50 WATTS

DATASHEET PART SERIES: CR0505D X, 5

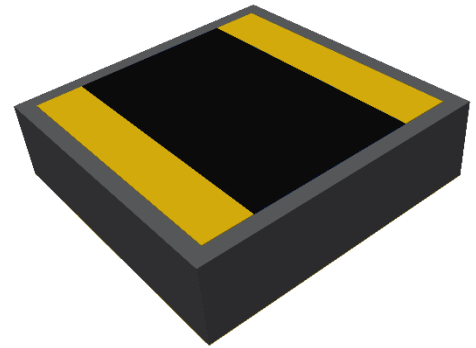
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Doc# CR0505DX5-1010775ECO-082845
Revision A

ORDERING INFORMATION

Part Identifier:

CR0505D X, 5

Resistance Value



SPECIFICATIONS

1.0 ELECTRICAL

Resistance:	50 & 100 Ω , $\pm 5\%$
Frequency Range:	DC – 18 GHz
Capacitance:	0.1 pF Typical
Input Power CW:	50 Watts
Peak Power:	500 Watts (1 μ s pulse width/1% duty cycle)

2.0 ENVIRONMENTAL

Operating Temperature:	-55 °C To +125 °C
Storage 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

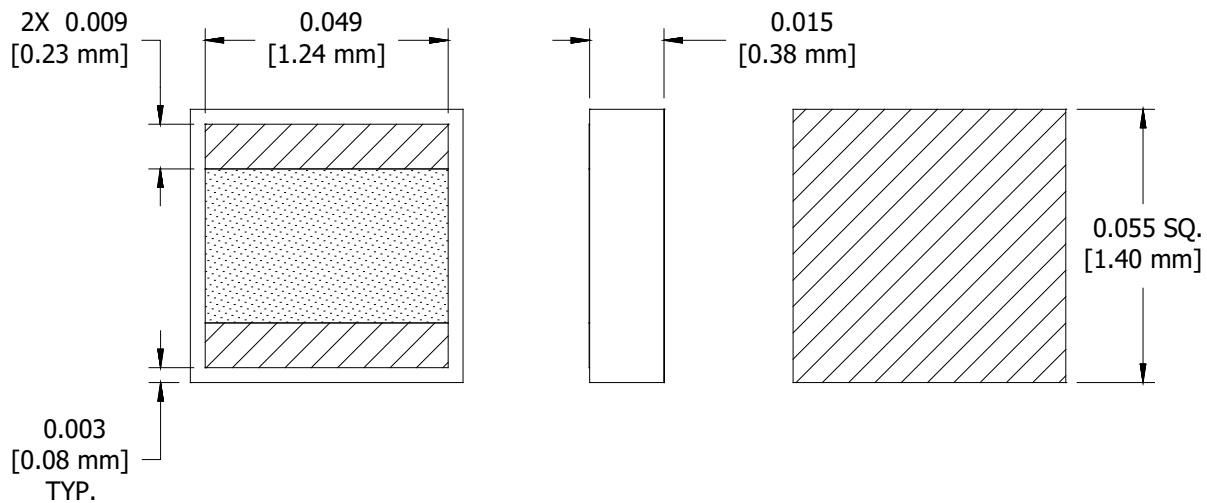
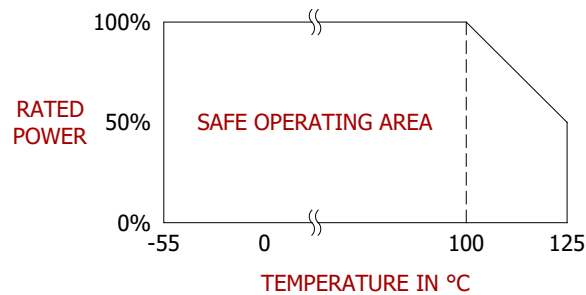
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6.0 MECHANICAL

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

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