

TERMINATION CVD DIAMOND CHIP 30 WATTS HI REL

DATASHEET PART SERIES: HRXCT0603D

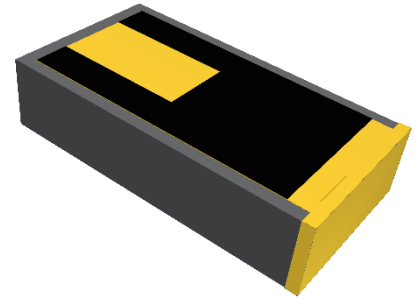
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Doc# HRXCT0603D-1013325ECO-082846
Revision A

ORDERING INFORMATION

PART IDENTIFIER:

HRXCT0603D

X= A, B OR C TESTING



SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 Ω \pm 5%
Frequency Range:	DC – 28 GHz
Input Power CW:	30 Watts
Peak Power:	300 Watts (1 μ s pulse width/1% duty cycle)
VSWR:	1.6:1 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

Visual Inspection Performed per TP-9046.

Perform Group A, B and/or C testing as indicated by the part number per TP-9046.

Test Data requirements

Test data required for customer-see paragraph 6.0 of TP-9046.

Data retention – 24 months

Test samples required for customer– see paragraph 6.0 of TP-9046.

5.0 PACKAGING

Standard:	Waffle Packaging
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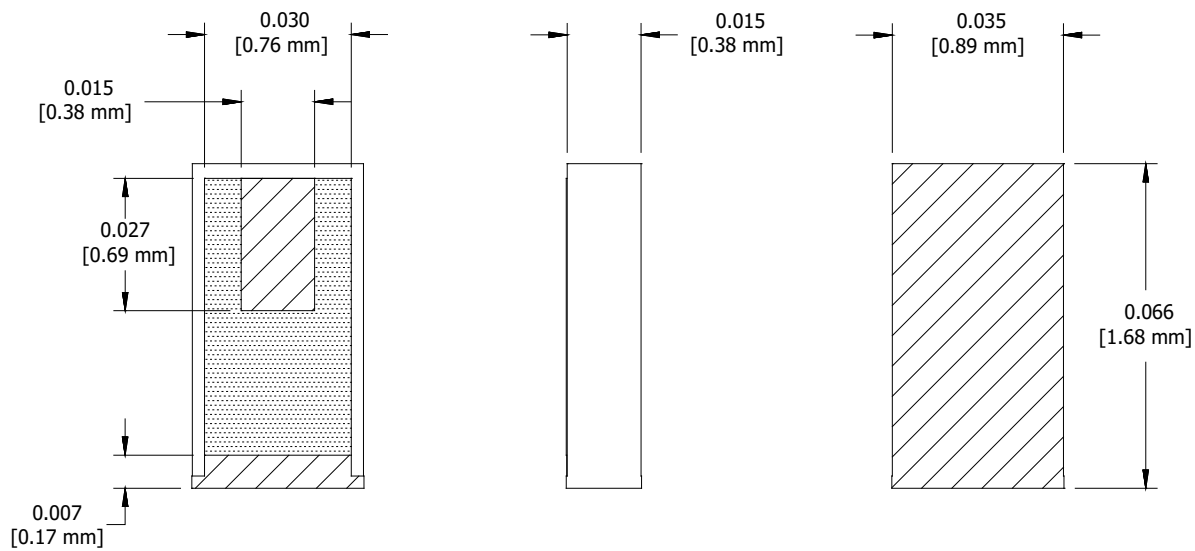
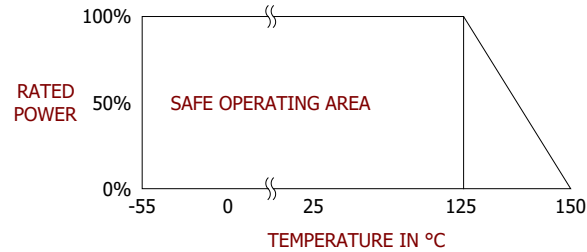
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6.0 MECHANICAL

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