

## TERMINATION CVD DIAMOND CHIP 70 WATTS HIGH REL

DATASHEET PART SERIES: HRXCT1310D

Sheet 1 of 2  
Doc# HRXCT1310D-1012835ECO-082846  
Revision A

## ORDERING INFORMATION

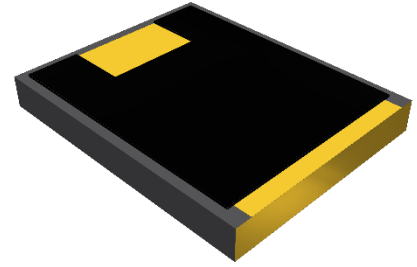
PART IDENTIFIER: HRX1310D

X= TEST CODE GROUP A, B OR C

## SPECIFICATIONS

## 1.0 ELECTRICAL

Nominal Impedance:	50 $\Omega$ $\pm$ 5%
Frequency Range:	DC – 14.0 GHz
Input Power CW:	70 Watts
Peak Power:	5000 W (1 $\mu$ 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

VERIFY 100% VISUAL PRE-CAP 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

## 5.0 PACKAGING

Standard:	Waffle Packaging
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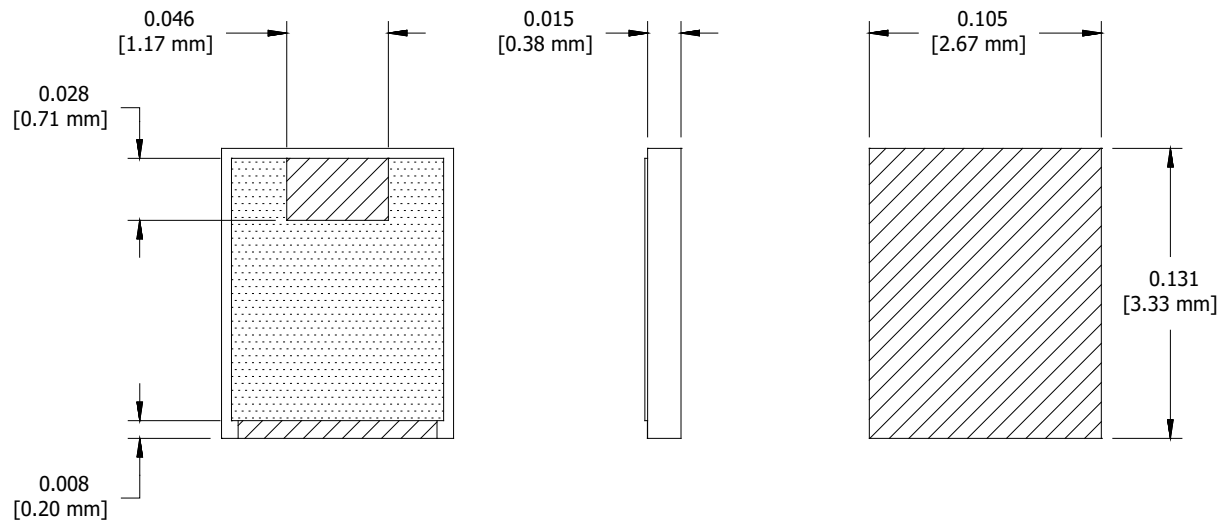
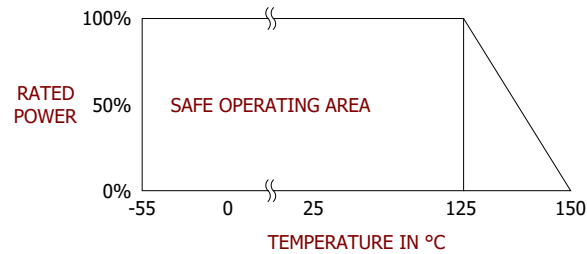
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## 6.0 MECHANICAL

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 =  $\pm 0.01$  X.XXX =  $\pm 0.005$