

## TERMINATION CHIP 50 WATT

DATASHEET PART SERIES: 82-3012

Sheet 1 of 2  
Doc# 82-3012ECO-083989  
Revision -

## ORDERING INFORMATION

PART IDENTIFIER: 82-3012

## SPECIFICATIONS

## 1. ELECTRICAL:

Nominal Impedance:	50 $\Omega$ .
Frequency Range:	DC - 2.0 GHz.
VSWR:	DC - 1.0 GHz 1.20:1 Max. 1.0 - 2.0 GHz 1.35:1 Max.
Input Power CW:	50 Watts @ 100°C heat sink, derated linearly to zero power and 150°C.
Peak Power:	500 Watts (based on 10 $\mu$ s pulse width and 1% duty cycle).
DC Resistance:	50 $\Omega$ $\pm$ 5%.

## 2. ENVIRONMENTAL:

Operating Temperature:	-55°C to +150°C.
Non-operating Temperature:	-65°C to +150°C.
Temperature Coefficient:	+/-200 PPM / °C max.

## 3. MARKING:

Unit Marking:	No Marking.
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## 4. QUALITY ASSURANCE:

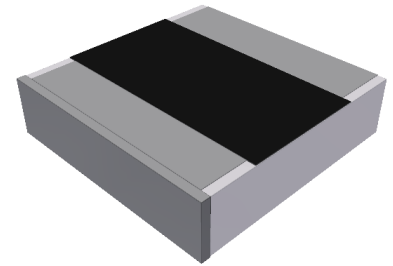
Visual and Mechanical Inspection:	Per 824W107.
DC Resistance Check:	100% DC Resistance Check.
Data Retention:	Standard.

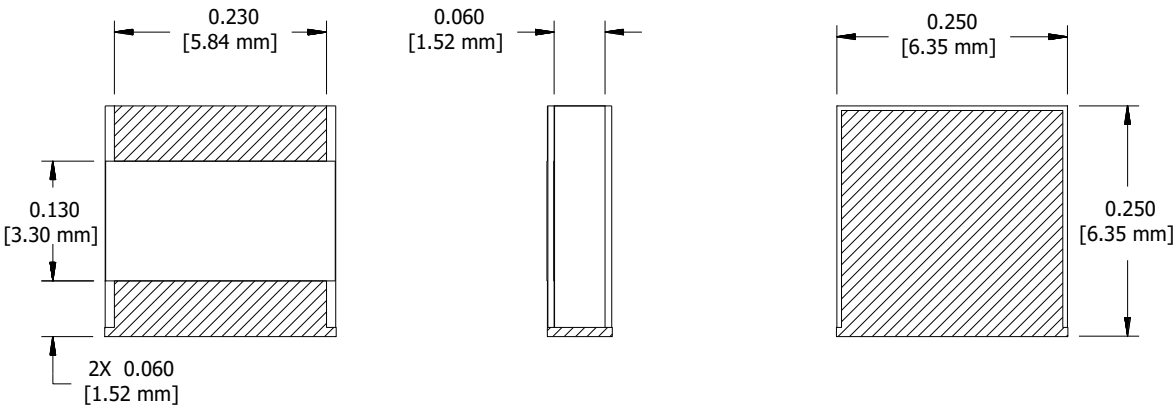
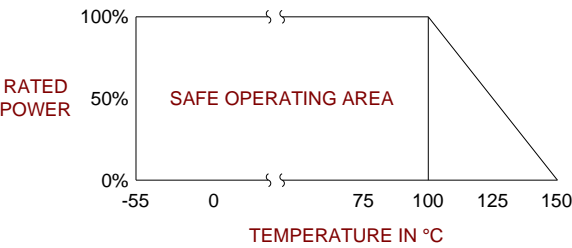
## 5. PACKAGING:

Standard Packaging:	Tape and Reel.
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## 6. MECHANICAL:

Substrate Material:	Beryllium Oxide.
Resistive Film:	Thin Film.
Terminal Material:	Tin/Lead.
Metric Dimensions:	Provided for reference only.





Unless Otherwise Specified:                      TOLERANCE: X.XX = ± 0.02    X.XXX = ± 0.010.