

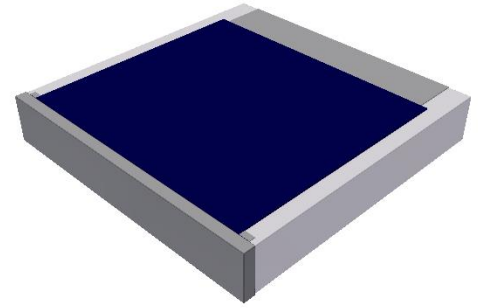
TERMINATION CHIP 100 WATT

DATASHEET PART SERIES: 82-7027

Sheet 1 of 2
Doc#82-7027ECO-083989
Revision -

ORDERING INFORMATION

PART IDENTIFIER: 82-7027



SPECIFICATIONS

1. ELECTRICAL:

Nominal Impedance:	50 Ω .
Frequency Range:	DC - 2.5 GHz.
VSWR:	1.35:1 Max.
Input Power CW:	100 Watts @ 100°C heat sink, derated linearly to zero power and 150°C.
Peak Power:	1000 Watts (based on 10 μ 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:

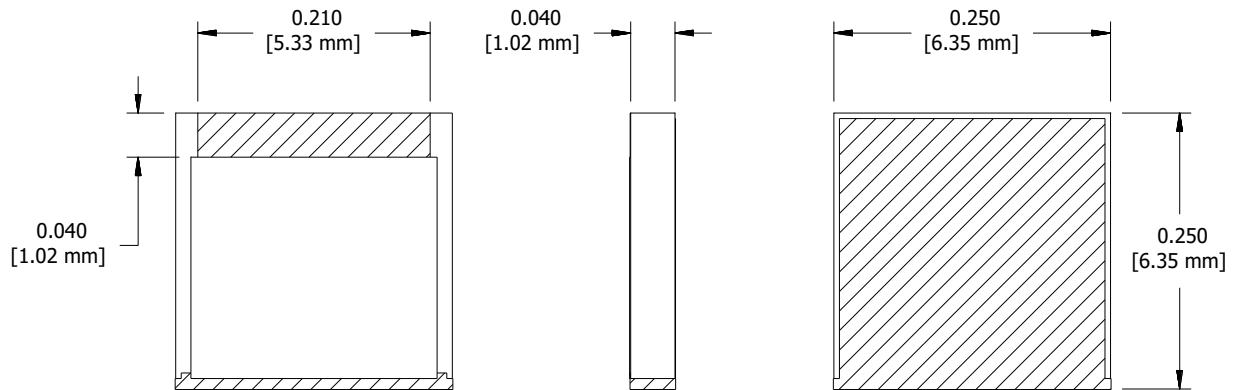
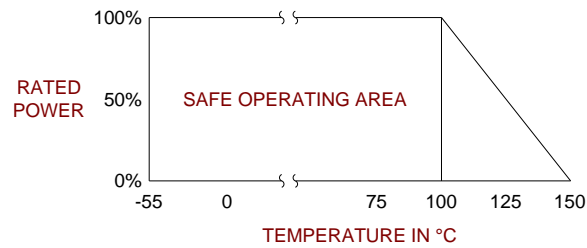
Standard Packaging:	Tape and Reel.
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6. MECHANICAL:

Substrate Material:	Aluminum Nitride.
Resistive Film:	Nichrome.
Terminal Material:	Tin/Lead.
Metric Dimensions:	Provided for reference only.

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