

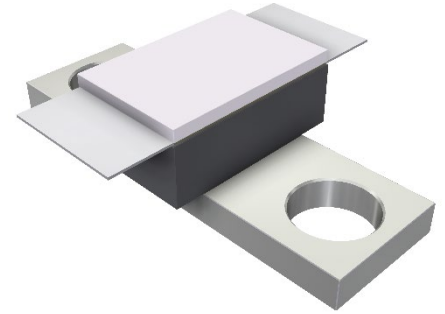
RESISTOR FLANGE MOUNT 75 WATT

DATASHEET PART SERIES: 31-1002-X-X

Sheet 1 of 2
Doc# 31-1002ECO-085823
Revision A

ORDERING INFORMATION

PART IDENTIFIER: 31-1002-X-X



SPECIFICATIONS

1. ELECTRICAL:

Resistance Range:	7 - 250 Ω .
Resistance Tolerance:	$\pm 5\%$ standard 1 % and 2 % available.
Typical Capacitance:	N/A.
Input Power CW:	75 watts @ 100°C heat sink, derated linearly to zero power at 150°C.
Peak Power:	750 watts (based on 10 μ s pulse width and 1% duty cycle).

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:	Logo and Part Number, legibility and permanency per MIL-STD-130.
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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:	Tray.
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6. MECHANICAL:

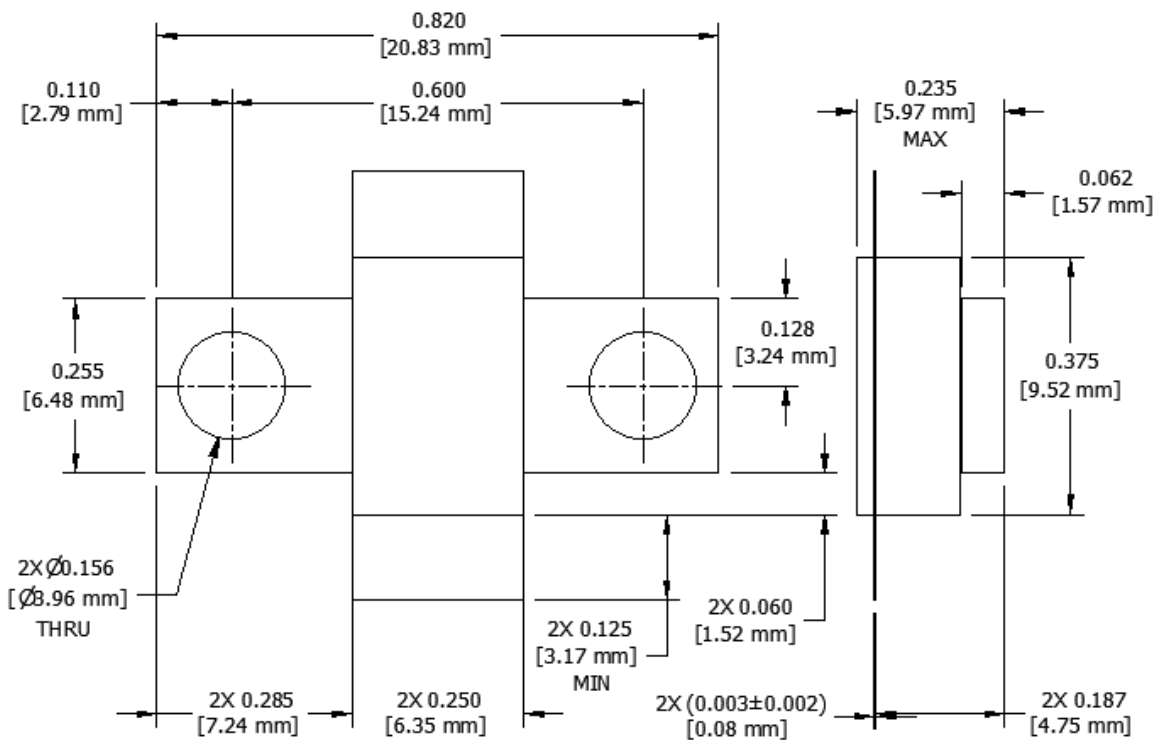
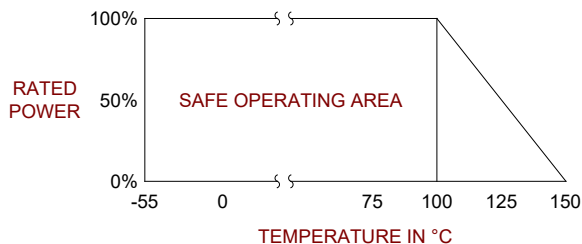
Substrate Material:	Beryllium Oxide.
Resistive Film:	Thin Film.
Cover Material:	Alumina.
Tab Material:	Beryllium Copper.
Tab Finish:	Tin/Lead.
Flange Material:	Copper.
Flange Finish:	Nickel.
Metric Dimensions:	Provided for reference only.

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