RESISTOR
FLANGE MOUNT 150 WATT

DATA SHEET   **PART SERIES: 31A7021XXF**   SHEET 1 OF 2
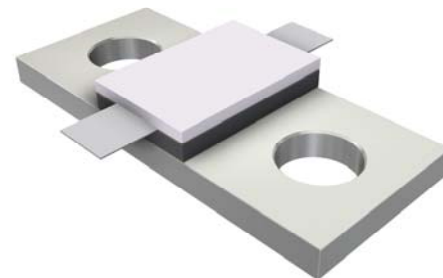Dwg 31A7021F   EN 13-3527
Revision-

FEATURES

Tab Launch
High Power
Integrated Heat Sink
Low Capacitance
Easy Installation
Wide Resistance Range

APPLICATIONS

Broadcast
High Power Filters
High Power Amplifiers
Isolators
Military
Instrumentation

GENERAL DESCRIPTION

EMC Technology offers the widest selection of flange mount resistors worldwide. High power flange components offer excellent performance and the convenience of bolt on installation.

ORDERING INFORMATION

Part Identifier:

31A7021XXF

Tolerance
Resistance Value

SPECIFICATIONS

1.0 ELECTRICAL

Resistance Range:	7 - 250 OHMS
Resistance Tolerance:	±5% standard 1% and 2% available
Typical Capacitance:	1.38 pF
Input Power CW:	150 watts @ 100˚C heat sink, derated linearly to zero power at 150˚C
Peak Power:	1500 watts (based on 10us pulse width and 1% duty cycle)

2.0 ENVIRONMENTAL

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

3.0 MARKING

Unit Marking:	Logo and Part Number, legibility and permanency per MIL-STD-130

4.0 QUALITY ASSURANCE

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

5.0 PACKAGING

Standard Packaging:	Tray

smiths microwave
Form 423F104 Rev-
Cage Codes: 24602 / 2Y194
Specifications are Subject to Change Without Notice
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AS 9100, ISO 9001 and 14001 Certified

RESISTOR
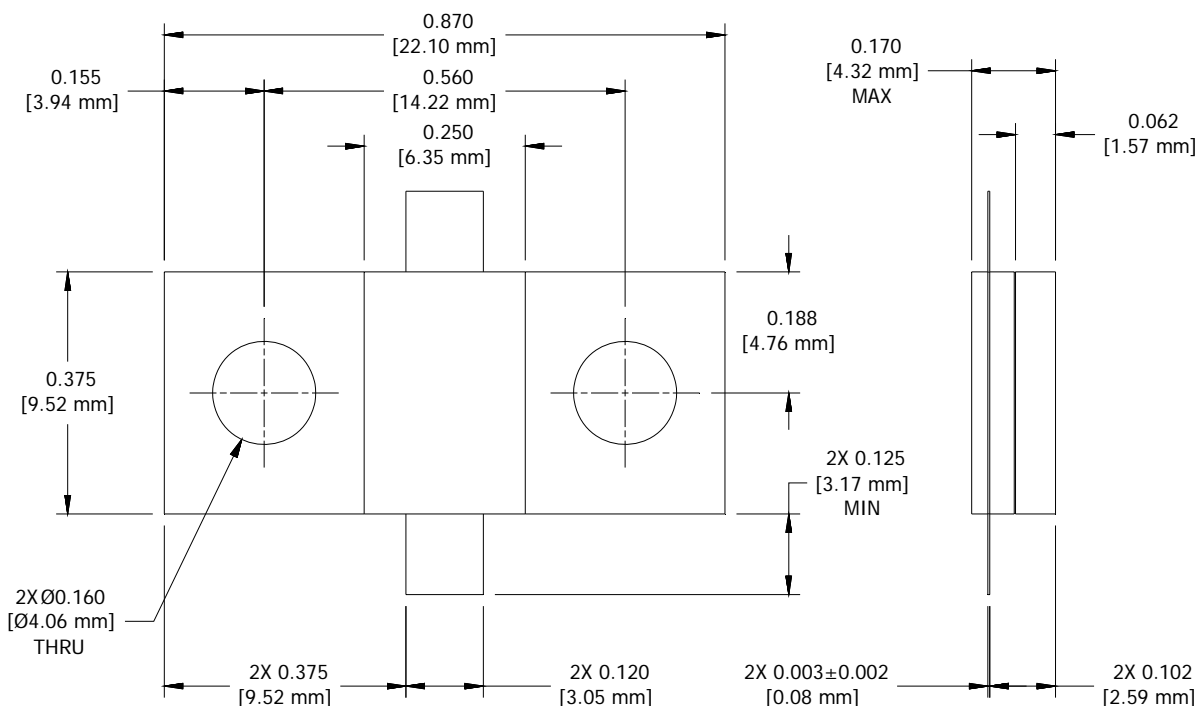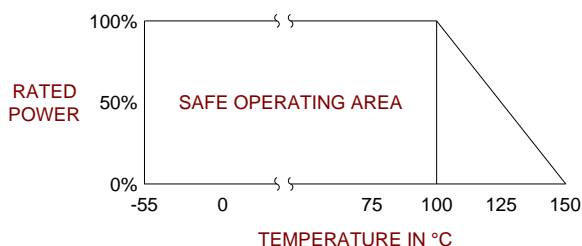# FLANGE MOUNT 150 WATT

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6.0 MECHANICAL

Substrate Material: Aluminum Nitride

Resistive Film: Thin Film

Cover Material: Alumina

Tab Material: Beryllium Copper

Tab Finish: Silver Plated

Flange Material: Copper

Flange Finish: Nickel

Metric Dimensions: Provided for reference only

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

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