RESISTOR FLANGE MOUNT 400 WATT



Dwg 31A1074F



DATA SHEET

PART SERIES: 31A1074XXF

FEATURES

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

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:

31A1074XXF

-55°C to +150°C

-65°C to +150°C

+/-200 PPM / °C max

APPLICATIONS

High Power Filters High Power Amplifiers

Instrumentation

Broadcast

Isolators

Military

└ Tolerance — Resistance Value

SPECIFICATIONS

1.0 ELECTRICAL

Resistance Range:	5 - 200 OHMS
Resistance Tolerance:	±5% standard 1% and 2% available
Typical Capacitance:	3.25 pF
Input Power CW:	400 watts @ 100°C heat sink, derated linearly to zero power at 150°C
Peak Power:	4000 watts (based on 10us pulse width and 1% duty cycle)

2.0 ENVIRONMENTAL

Operating Temperature: Non-operating Temperature: Temperature Coefficient:

3.0 MARKING

Unit Marking:

Logo and Part Number; legibility and permanency per MIL-STD-130

4.0 QUALITY ASSURANCE

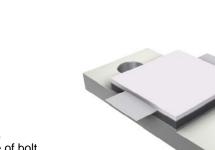
Visual and Mechanical Inspection: DC Resistance Check: Data Retention:

Per 824W107 100% DC Resistance Check Standard

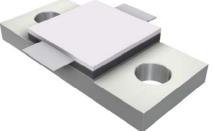
5.0 PACKAGING

Standard Packaging:

Tray



EN 13-3528 Revision-



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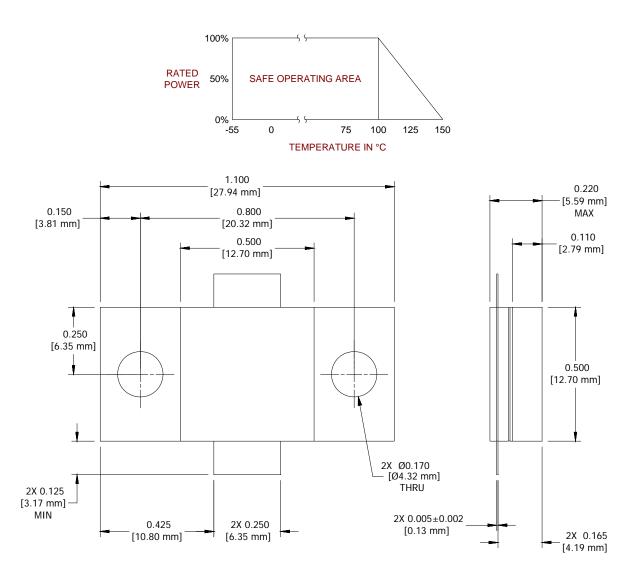
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6.0 MECHANICAL

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



Unless Otherwise Specified: TOLERANCE: $X.XX = \pm 0.02$ $X.XXX = \pm 0.010$