RESISTOR FLANGE MOUNT 250 WATT



EN 13-3528

DATA SHEET

PART SERIES: 31-1004-X-X

APPLICATIONS

High Power Filters High Power Amplifiers

Instrumentation

Broadcast

Isolators

Military

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:

31-1004-X-X

SPECIFICATIONS

1.0 ELECTRICAL

Resistance Range:	10 - 400 OHMS
Resistance Tolerance:	±5% standard 1% and 2% available
Typical Capacitance:	1.64 pF
Input Power CW:	250 watts @ 100°C heat sink, derated linearly to zero power at 150°C
Peak Power:	2500 watts (based on 10us pulse width and 1% duty cycle)
Input Power CW:	250 watts @ 100°C heat sink, derated linearly to zero power at 150°C

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:PDC Resistance Check:1Data Retention:S

5.0 PACKAGING

Standard Packaging:

Per 824W107 100% DC Resistance Check Standard

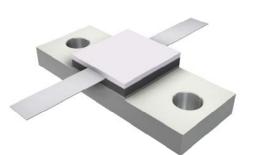
Tray

smiths microwave

+/-200 PPM / °C max

-55°C to +150°C

-65°C to +150°C



Dwg 31-1004

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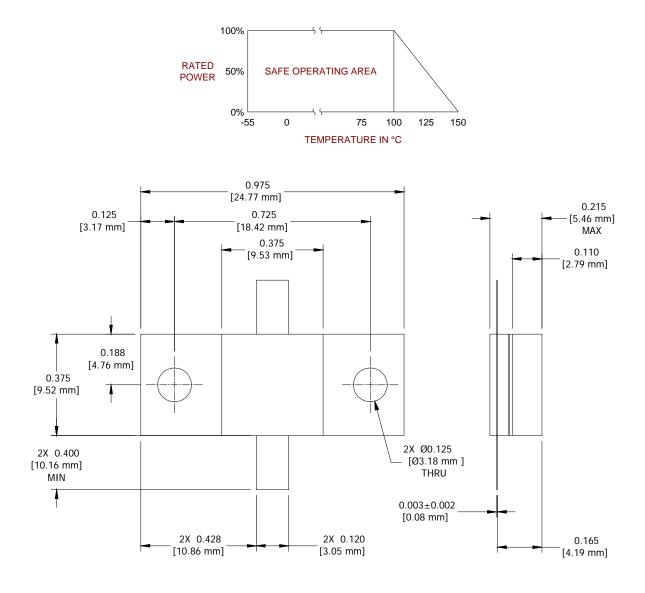
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EN 13-3528 Revision-

6.0 MECHANICAL

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



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