RESISTOR FLANGE MOUNT 150 WATT



DATA SHEET PART SERIES: 31-1003-X-X

SHEET 1 OF 2 Dwg 31-1003 EN 13-3527 Revision-

FEATURES

APPLICATIONS

Tab Launch Broadcast

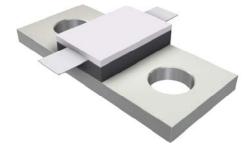
High Power Filters
Integrated Heat Sink
High Power Filters
High Power Amplifiers

Low Capacitance Isolators
Easy Installation Military

Wide Resistance Range Instrumentation



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:

31-1003-X-X

Tolerance
Resistive Value

SPECIFICATIONS

1.0 ELECTRICAL

Resistance Range: 7 - 250 OHMS

Resistance Tolerance: ±5% standard 1% and 2% available

Typical Capacitance: N/A

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 Cage Codes: 24602 / 2Y194 www.emc-rflabs.com • +1 772-286-9300

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SHEET 2 OF 2

Dwg 31-1003

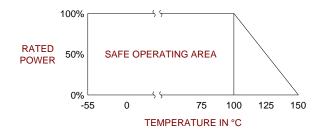
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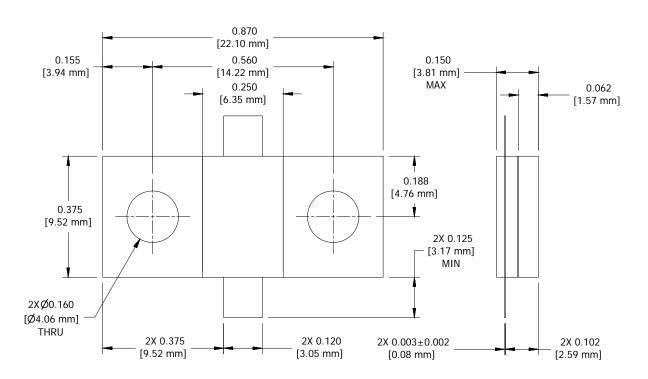
6.0 MECHANICAL

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: $X.XX = \pm 0.02$ $X.XXX = \pm 0.010$