RESISTOR FLANGE MOUNT 40 WATT



DATA SHEET PART SERIES: 31-1007-X-X

SHEET 1 OF 2 Dwg 31-1007 EN 13-3527 Revision-

FEATURES

APPLICATIONS

Tab Launch Broadcast

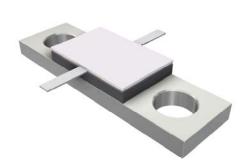
High Power Filters
Integrated Heat Sink
High Power Filters
High Power Amplifiers

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:

31-1007-X-X

└ Tolerance — Resistance Value

SPECIFICATIONS

1.0 ELECTRICAL

Resistance Range: 9 - 300 OHMS

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

Typical Capacitance: 0.5 pF

Input Power CW: 40 watts @ 100°C heat sink, derated linearly to zero power at 150°C

Peak Power: 400 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

smiths microwave

Standard Packaging: Tray

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

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6.0 MECHANICAL

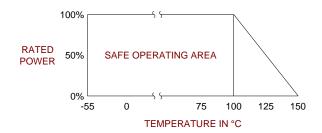
Substrate Material: Beryllium Oxide

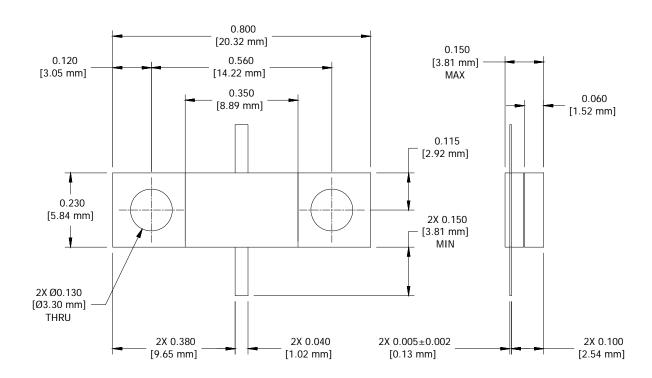
Resistive Film: Nichrome Cover Material: Alumina

Tab Material: Beryllium Copper

Tab Finish: Tin/Lead
Flange Material: Copper
Flange Finish: Nickel

Metric Dimensions: Provided for reference only





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