RESISTOR FLANGE MOUNT 20 WATT



DATA SHEET PART SERIES: 31-7008-X-X

SHEET 1 OF 2 Dwg 31-7008 EN 13-3526 Revision-

FEATURES

APPLICATIONS

Tab Launch Broadcast

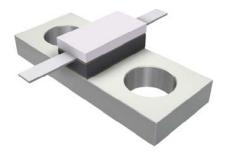
High Power Filters
Integrated Heat Sink
High Power Filters
High Power Amplifiers

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:

31-7008-X-X

Tolerance

Resistance Value

SPECIFICATIONS

1.0 ELECTRICAL

Resistance Range: 10 - 250 OHMS

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

Typical Capacitance: N/A

Input Power CW: 20 watts @ 100°C heat sink, derated linearly to zero power at 150°C

Peak Power: 200 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: Resistance Value; 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

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Form 423F104 Rev-

Specifications are Subject to Change Without Notice

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SHEET 2 OF 2

Dwg 31-7008

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6.0 MECHANICAL

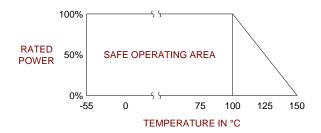
Substrate Material: Aluminum Nitride

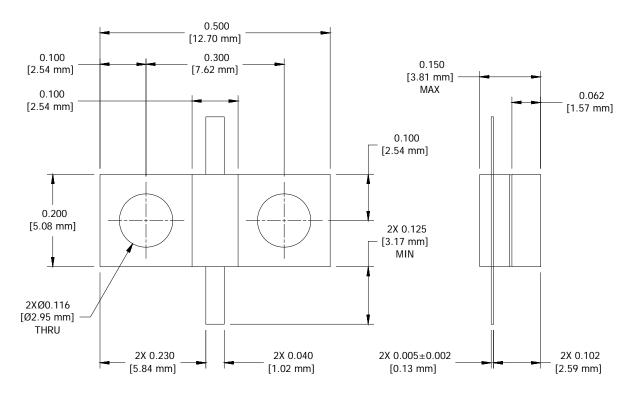
Resistive Film: Nichrome Cover Material: Alumina

Tab Material: Beryllium Copper

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

Metric Dimensions: Provided for reference only





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