RESISTOR FLANGE MOUNT 10 WATT



DATA SHEET PART SERIES: 31-1008-X-X

SHEET 1 OF 2 Dwg 31-1008 EN 13-3526 Revision-

FEATURES APPLICATIONS

Tab Launch Broadcast

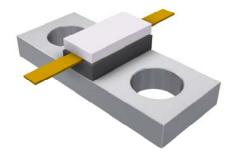
High Power Filters
Integrated Heat Sink
High Power Filters
High Power Amplifiers

Low Capacitance Isolators
Easy Installation Military

Wide Resistance Range Instrumentation

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:

31-1008-X-X

Tolerance
Resistance Value

SPECIFICATIONS

1.0 ELECTRICAL

Resistance Range: 2 - 250 OHMS

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

Typical Capacitance: 0.8 pF 50 &100 OHM only

Input Power CW: 10 watts @ 100°C heat sink, derated linearly to zero power at 150°C

Peak Power: 100 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

Form 423F104 Rev-

Data Retention: Standard

5.0 PACKAGING

Standard Packaging: Tray

smiths microwave

Cage Codes: 24602 / 2Y194

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Specifications are Subject to Change Without Notice

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SHEET 2 OF 2

Dwg 31-1008

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6.0 MECHANICAL

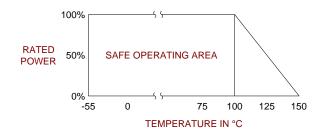
Substrate Material: Beryllium Oxide

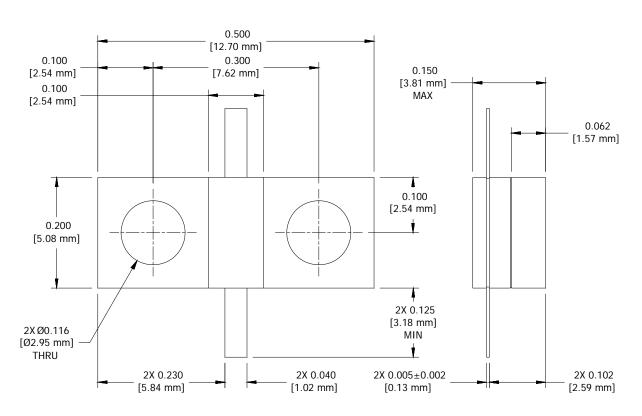
Resistive Film: Thin Film
Cover Material: Alumina

Tab Material: Beryllium Copper

Tab Finish:GoldFlange Material:CopperFlange Finish:Nickel

Metric Dimensions: Provided for reference only





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