# RESISTOR FLANGE MOUNT 800 WATT



DATA SHEET PART SERIES: 31-1099-X-X

SHEET 1 OF 2 Dwg 31-1099 EN 13-3528 Revision-

#### FEATURES

#### **APPLICATIONS**

Tab Launch Broadcast

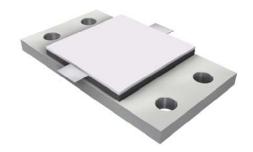
High Power Filters
Integrated Heat Sink
High Power Filters
High Power Amplifiers

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:

31-1099-X-X

Tolerance
Resistance Value

#### **SPECIFICATIONS**

#### 1.0 ELECTRICAL

Resistance Range: 7 -175 OHMS

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

Typical Capacitance: 2 pF

Input Power CW: 800 watts @ 100°C heat sink, derated linearly to zero power at 150°C

Peak Power: 8000 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

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Specifications are Subject to Change Without Notice AS 9100, ISO 9001 and 14001 Certified

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SHEET 2 OF 2
Dwg 31-1099

<sup>\*</sup> 2 OF 2 EN 13-3528 31-1099 Revision-

#### **6.0 MECHANICAL**

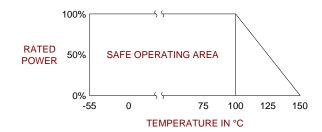
Substrate Material: Beryllium Oxide

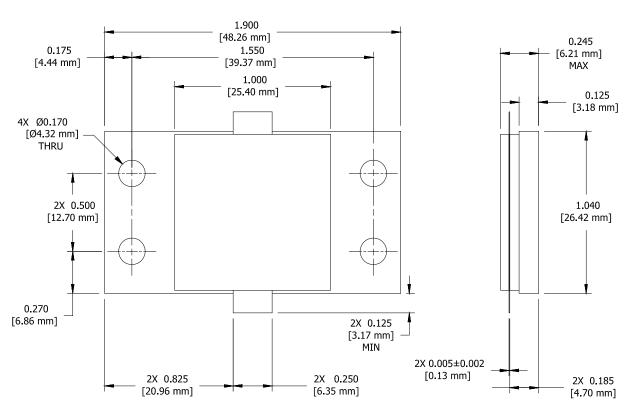
Resistive Film: Nichrome Cover Material: Alumina

Tab Material: Beryllium Copper

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

Metric Dimensions: Provided for reference only





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