# RESISTOR **FLANGE MOUNT 40 WATT**



**DATA SHEET PART SERIES: 31-1089-X-X**  Dwg 31-1089

EN 13-3526

## **FEATURES**

### **APPLICATIONS**

Tab Launch Broadcast

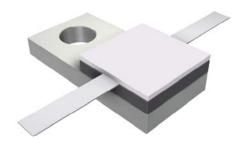
High Power High Power Filters Integrated Heat Sink **High Power Amplifiers** 

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:

31-1089-X-X Tolerance Resistance Value

# **SPECIFICATIONS**

# 1.0 ELECTRICAL

10 - 400 OHMS Resistance Range:

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 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

Cage Codes: 24602 / 2Y194

Form 423F104 Rev-

Specifications are Subject to Change Without Notice

# RESISTOR FLANGE MOUNT 40 WATT



DATA SHEET PART SERIES: 31-1089-X-X

SHEET 2 OF 2 Dwg 31-1089 EN 13-3526 Revision-

### **6.0 MECHANICAL**

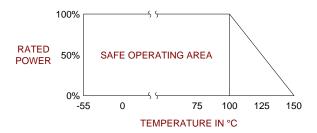
Substrate Material: Beryllium Oxide

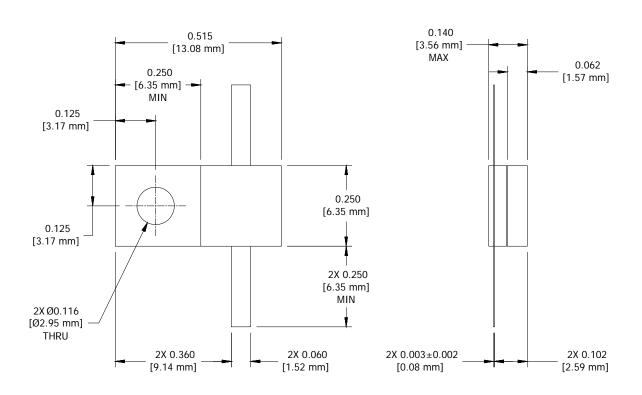
Resistive Film: Nichrome Cover Material: Alumina

Tab Material: Beryllium Copper

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

Metric Dimensions: Provided for reference only





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