# RESISTOR FLANGE MOUNT 400 WATT



Dwg 31A1074F



#### DATA SHEET

#### PART SERIES: 31A1074XXF

#### **FEATURES**

Tab Launch High Power Integrated Heat Sink Low Capacitance Easy Installation Wide Resistance Range

#### **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:** 

## 31A1074XXF

-55°C to +150°C

-65°C to +150°C

+/-200 PPM / °C max

**APPLICATIONS** 

High Power Filters High Power Amplifiers

Instrumentation

Broadcast

Isolators

Military

└ Tolerance — Resistance Value

# SPECIFICATIONS

#### **1.0 ELECTRICAL**

Resistance Range:	5 - 200 OHMS
Resistance Tolerance:	±5% standard 1% and 2% available
Typical Capacitance:	3.25 pF
Input Power CW:	400 watts @ 100°C heat sink, derated linearly to zero power at 150°C
Peak Power:	4000 watts (based on 10us pulse width and 1% duty cycle)

#### **2.0 ENVIRONMENTAL**

Operating Temperature: Non-operating Temperature: Temperature Coefficient:

#### **3.0 MARKING**

Unit Marking:

Logo and Part Number; legibility and permanency per MIL-STD-130

#### **4.0 QUALITY ASSURANCE**

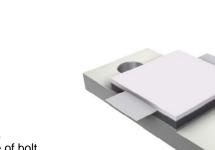
Visual and Mechanical Inspection: DC Resistance Check: Data Retention:

Per 824W107 100% DC Resistance Check Standard

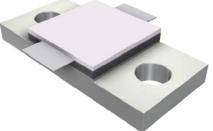
### **5.0 PACKAGING**

Standard Packaging:

Tray



EN 13-3528 Revision-



# RESISTOR FLANGE MOUNT 400 WATT





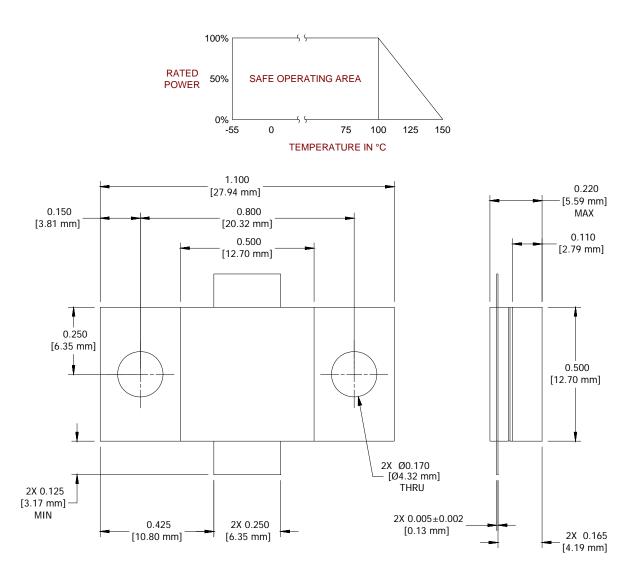
#### DATA SHEET PART SE

#### PART SERIES: 31A1074XXF

SHEET 2 OF 2 Dwg 31A1074F EN 13-3528 Revision-

## 6.0 MECHANICAL

Substrate Material:	Beryllium Oxide
Resistive Film:	Thin Film
Cover Material:	Alumina
Tab Material:	Beryllium Copper
Tab Finish:	Silver
Flange Material:	Copper
Flange Finish:	Nickel
Metric Dimensions:	Provided for reference only



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