# RESISTOR CHIP 8 WATT



DATA SHEET PART SERIES: 81-3012B-X-X

SHEET 1 OF 2 Dwg 81-3021B EN 13-3508 Revision-

### FEATURES APPLICATIONS

Wide Band Operation Broadcast

High Power Filters
Direct Attached High Power Amplifiers

Low Capacitance Isolators
Easy Installation Military

Wide Resistance Range Instrumentation

#### **GENERAL DESCRIPTION**

EMC Technology offers the widest selection of chip resistors worldwide. Chip components are offered in both thick and thin film resistive material and available in Alumina, Aluminium Nitride, Beryllium Oxide and CVD Diamond.



# ORDERING INFORMATION Part Identifier:

81-3012B-X-X

Tolerance
Resistance Value

### **SPECIFICATIONS**

## 1.0 ELECTRICAL

Resistance Range: 3 - 200 OHMS

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

Input Power CW: 8 watts @ 100°C heat sink, derated linearly to zero power at 150°C

Peak Power: 80 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: No Marking

#### 4.0 QUALITY ASSURANCE

Visual and Mechanical Inspection: Per 824W107

DC Resistance Check: 100% DC Resistance Check

Form 423F106 Rev-

Data Retention: Standard

#### **5.0 PACKAGING**

Standard Packaging: Tape and Reel

smiths microwave

Cage Codes: 24602 / 2Y194

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Specifications are Subject to Change Without Notice

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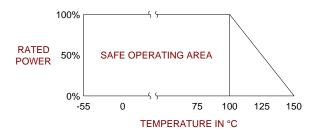
SHEET 2 OF 2 Dwg 81-3021B EN 13-3508 -Revision

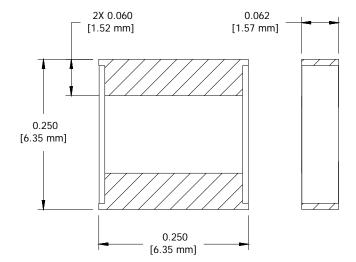
#### **6.0 MECHANICAL**

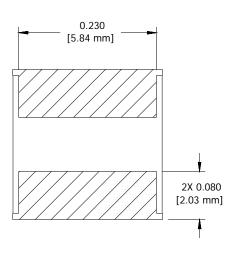
Substrate Material: Beryllium Oxide
Resistive Film: Thin Film

Terminal Material: Thick film, Nickel barrier Tin/Lead plated

Metric Dimensions: Provided for reference only







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