# RESISTOR CHIP 10 WATT



### DATA SHEET

#### PART SERIES: 81-3011B-X-X

**APPLICATIONS** 

High Power Filters High Power Amplifiers

Instrumentation

Broadcast

Isolators

Military

#### **FEATURES**

Wide Band Operation High Power Direct Attached Low Capacitance Easy Installation Wide Resistance Range

#### **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:** 

81-3011B-X-X

## SPECIFICATIONS

#### **1.0 ELECTRICAL**

Resistance Range:	12 - 400 OHMS
Resistance Tolerance:	±5% standard 1% and 2% available
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°CNon-operating Temperature:-65°C to +150°CTemperature Coefficient:+/-200 PPM / °C max

#### 3.0 MARKING

Unit Marking:

No Marking

#### **4.0 QUALITY ASSURANCE**

Visual and Mechanical Inspection:Per 824W107DC Resistance Check:100% DC ResistanceData Retention:Standard

#### **5.0 PACKAGING**

Standard Packaging:

No Morki

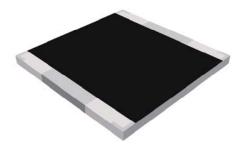
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Per 824W107 100% DC Resistance Check Standard

Tape and Reel

smiths	microwave	





SHEET 1 OF 2

Dwg 81-3011B

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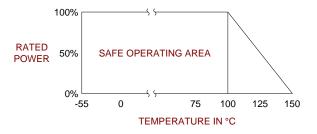
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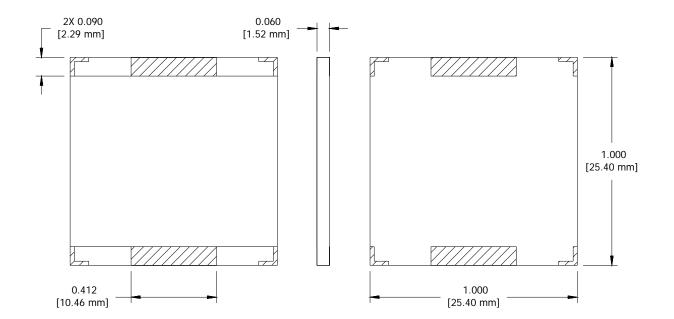
#### SHEET 2 OF 2 Dwg 81-3011B

EN 13-3509 Revision-

### 6.0 MECHANICAL

Substrate Material: Resistive Film: Terminal Material: Metric Dimensions: Beryllium Oxide Thin Film Thick film, Nickel barrier Silver plated Provided for reference only





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