## RESISTOR TAB & COVER 20 WATT



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

SHEET 1 OF 2 Dwg 81-3012TC EN 13-3531 Revision-

#### FEATURES APPLICATIONS

Wide Band Response Broadcast

High Power Filters
Low Capacitance High Power Amplifiers

Easy Installation Isolators
Excellent Heat Transfer Military

Wide Resistance Range Instrumentation

#### **GENERAL DESCRIPTION**

EMC Technology offers the widest selection of flangeless resistors worldwide. Tab and cover components offer the highest performance of any style of resistor component.



### ORDERING INFORMATION

Part Identifier:

81-3012TC-X-X

Tolerance
Resistance Value

#### **SPECIFICATIONS**

#### 1.0 ELECTRICAL

Resistance Range: 2.0 - 2,800 OHMS

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

Typical Capacitance: 1.00 pF

Input Power CW: 20 watts @ 100°C heat sink, derated linearly to zero power at 150°C

Peak Power: 200 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

**4.0 QUALITY ASSURANCE** 

Visual and Mechanical Inspection: Per 824W107

DC Resistance Check: 100% DC Resistance Check

Form 423F105 Rev-

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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#### **6.0 MECHANICAL**

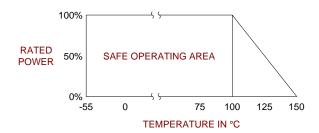
Substrate Material: Beryllium Oxide

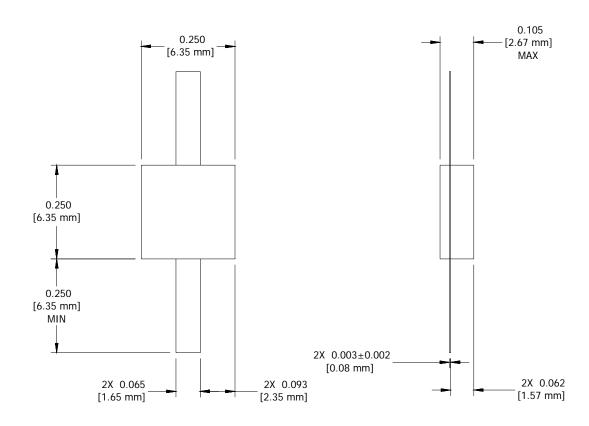
Resistive Film: Thin Film
Cover Material: Alumina

Tab Material: Beryllium Copper

Tab Finish: Tin/Lead

Metric Dimensions: Provided for reference only





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