RESISTOR TAB & COVER 40 WATT



DATA SHEET PART SERIES: 81-7108TC-X-X

SHEET 1 OF 2 Dwg 81-7108TC 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:

81-7108TC-X-X

└ Tolerance └ Resistance Value

SPECIFICATIONS

1.0 ELECTRICAL

Resistance Range: 10 - 250 OHMS

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

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

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

Smiths microwave Cage Codes: 24602 / 2Y194 www.emc-rflabs.com • +1 772-286-9300

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Dwg 81-7108TC

EN 13-3531

6.0 MECHANICAL

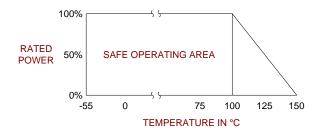
Substrate Material: Aluminum Nitride

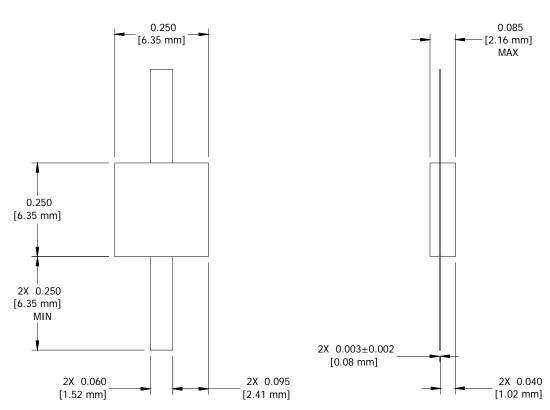
Thin Film Resistive Film: Cover Material: Alumina

Tab Material: Beryllium Copper

Tab Finish: Tin/Lead

Metric Dimensions: Provided for reference only





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