RESISTOR FLANGE MOUNT 25 WATT



DATA SHEET PART SERIES: 5310 X,X

SHEET 1 OF 2 Dwg 1001315 EN 16-0877 Revision E

FEATURES

APPLICATIONS

Tab Launch Broadcast

High Power Filters
Integrated Heat Sink
High Power Filters
High Power Amplifiers

Low Capacitance Isolators
Easy Installation Military

Wide Resistance Range Instrumentation



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: 5310 X,X

— Tolerance — Value

SPECIFICATIONS

1.0 ELECTRICAL

Resistance Range: 25Ω to 250Ω

Resistance Tolerance: ±5%
Typical Capacitance: 2.5pf

Input Power CW: 25 @ 100°C Heat sink, derated linearly to zero power at 150°C Peak Power: 250 Watts (Based on 100 µs 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 "5310"

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

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6.0 MECHANICAL

Substrate Material: Beryllia, ASTM F356

Resistive Film: Thickfilm

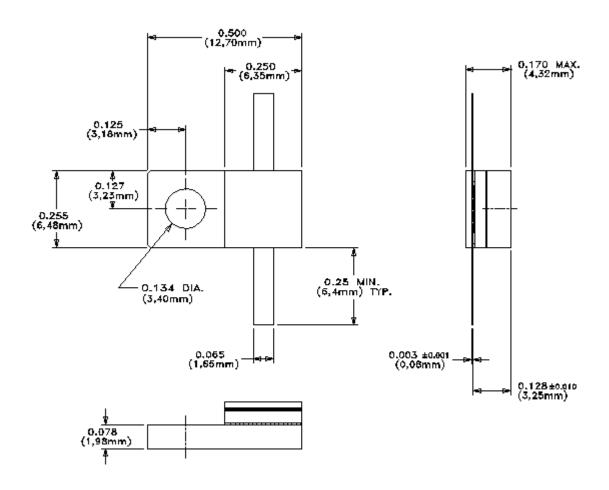
Cover Material: Alumina, MIL -I-10 Tab Material: Copper, ASTM B194

Tab Finish: Gold, MIL-G-45204, TYPE II, Class 1.

Flange Material: Copper, ASTM B187 Flange Finish: Nickel, QQ-N-290

Workmanship: PER MIL-STD-454, Requirement 9, and MIL-R-55342.

Metric Dimensions: Provided for reference only



ALLOW ±0.010 ON TOP PLATE FOR MISALIGNMENT

Unless Otherwise Specified: TOLERANCE: $X.XX = \pm 0.01$ $X.XXX = \pm 0.005$

smiths microwave

Cage Codes: 24602 / 2Y194

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Form 423F104 Specifications are Subject to Change Without Notice