RESISTOR **FLANGE MOUNT 200 WATT**



DATA SHEET

PART SERIES: 31-7110-X-X

APPLICATIONS

High Power Filters High Power Amplifiers

Instrumentation

Broadcast

Isolators

Military

FEATURES

Tab Launch **High Power Integrated Heat Sink** Low Capacitance Easy Installation Wide Resistance Range

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:

31-7110-X-X LTolerance **Resistance Value**

SPECIFICATIONS

1.0 ELECTRICAL

Resistance Range:	10 - 350 OHMS
Resistance Tolerance:	±5% standard 1% and 2% available
Typical Capacitance:	1.40 pF
Input Power CW:	200 watts @ 100°C heat sink, derated linearly to zero power at 150°C
Peak Power:	2000 watts (based on 10us pulse width and 1% duty cycle)

-55°C to +150°C

-65°C to +150°C

+/-200 PPM / °C max

2.0 ENVIR

Operating Temperature: Non-operating Temperature: **Temperature Coefficient:**

3.0 MARKING

Unit Marking:

Logo and Part Number, legibility and permanency per MIL-STD-130

4.0 QUALITY ASSURANCE

Visual and Mechanical Inspection: DC Resistance Check: Data Retention:

5.0 PACKAGING

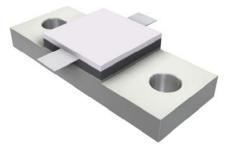
Standard Packaging:

Per 824W107 100% DC Resistance Check Standard

Tray

wer:	
ONMENTAL	

smiths microwave Form 423F104 RevEN 13-3527



Dwg 31-7110

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DATA SHEET

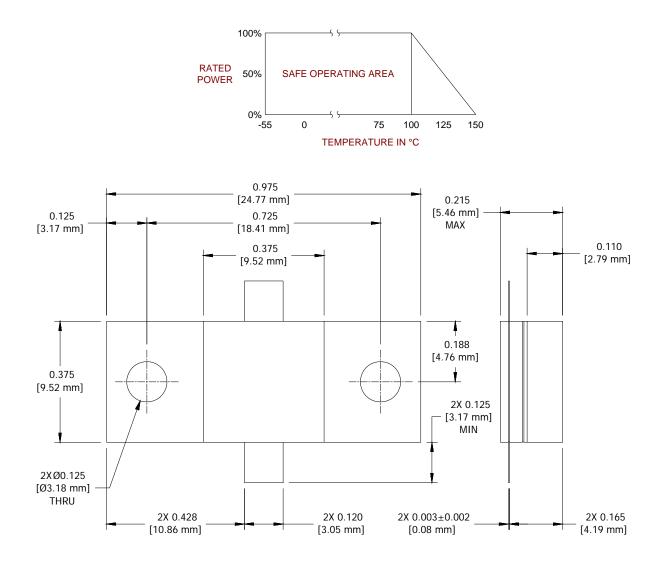
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EN 13-3527 Revision-

6.0 MECHANICAL

Substrate Material:	Aluminum Nitride
Resistive Film:	Nichrome
Cover Material:	Alumina
Tab Material:	Beryllium Copper
Tab Finish:	Tin/Lead
Flange Material:	Copper
Flange Finish:	Nickel
Metric Dimensions:	Provided for reference only



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

smiths microwave

Ca Form 423F104 Rev- Specific

Cage Codes: 24602 / 2Y194 Specifications are Subject to Change Without Notice