TERMINATION
CHIP 150 WATT

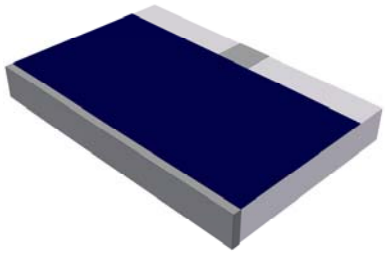
DATA SHEET **PART SERIES: 82-3031**

FEATURES

- Wide Band Operation
- High Power
- Direct Attached
- Low VSWR
- Easy Installation

APPLICATIONS

- Mobile Networks
- Broadcast
- High Power Amplifiers
- Isolators
- Military
- Instrumentation



GENERAL DESCRIPTION

EMC Technology offers the widest selection of chip terminations worldwide. Chip components are offered in both thick and thin film resistive material and available in Alumina, Aluminum Nitride, Beryllium Oxide and CVD Diamond.

ORDERING INFORMATION

Part Identifier: 82-3031

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	DC - 2.0 GHz
VSWR:	1.10:1 Max
Input Power CW:	150 Watts @ 85°C heat sink, derated linearly to zero power and 150°C
Peak Power:	1500 Watts (based on 10us pulse width and 1% duty cycle)
DC Resistance:	50 Ω ±2%

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:	No Marking

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:	Tape and Reel

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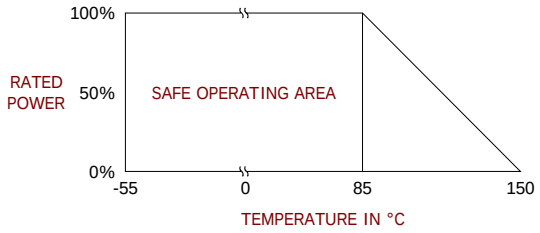
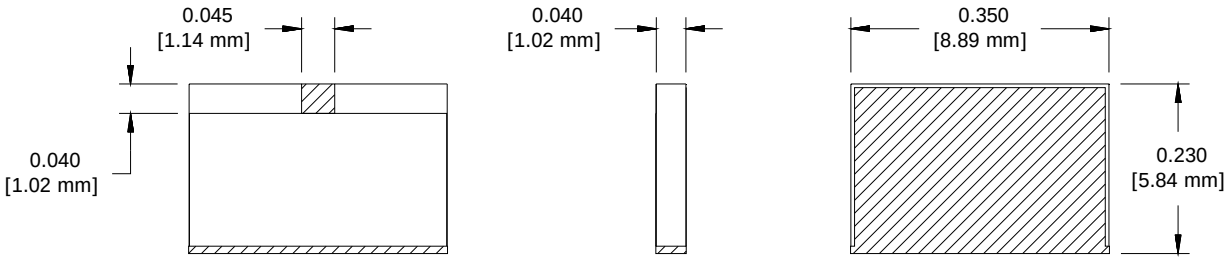
6.0 MECHANICAL

Substrate Material:	Beryllium Oxide
Resistive Film:	Nichrome
Terminal Material:	Tin/Lead
Metric Dimensions:	Provided for reference only





Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.02 X.XXX = ± 0.010