

# ATTENUATOR CHIP 25 WATT



DATA SHEET

PART SERIES: 83-3998\*

SHEET 1 OF 2  
Dwg 1014845

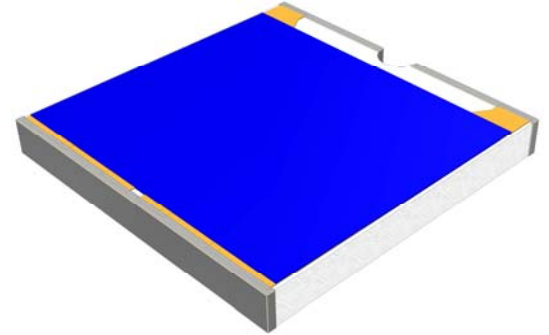
EN 15-0321  
Revision -

## FEATURES

- Small Footprint
- High Power
- Surface Mount
- Low VSWR
- Easy Installation
- Wide Attenuation Offering

## APPLICATIONS

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



## GENERAL DESCRIPTION

EMC Technology offers the widest selection of chip attenuators worldwide. Chip components are offered in Alumina, Aluminum Nitride, Beryllium Oxide, and CVD diamond for maximum performance.

## ORDERING INFORMATION

**Part Identifier:** 83-3998\*

## SPECIFICATIONS

### 1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	DC - 2.0 GHz
Attenuation Values Available:	1-20 dB
Attenuation Accuracy:	1-10 dB $\pm$ 0.5 dB 11-20 dB $\pm$ 1 dB
Input Power CW:	25 watts
VSWR:	1.40:1

### 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:	None
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### 4.0 QUALITY ASSURANCE

Sample Inspect Per MIL-STD-105, Level II, 1.0% AQL.  
Visual and Mechanical Inspection for Conformance to Outline Drawing  
Measure Attenuation and VSWR  
Data Retention - Standard

### 5.0 PACKAGING

Standard Packaging:	Standard
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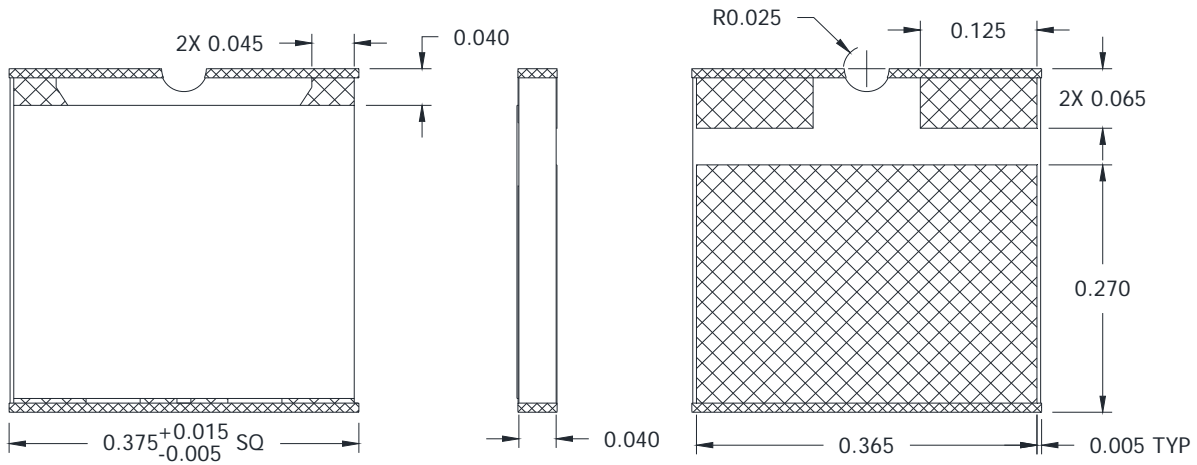
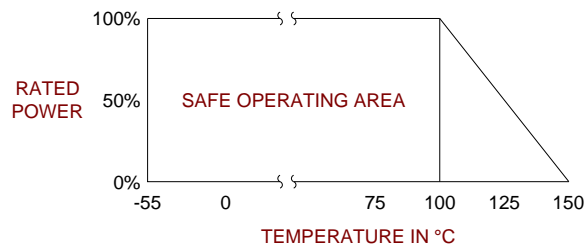
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## 6.0 MECHANICAL

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



Note: Specifications are subject to change.

Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.XX X.XXX = ± 0.XXX