

ATTENUATOR CHIP 25 WATT



DATA SHEET

PART SERIES: 83A3998*F

SHEET 1 OF 2
Dwg 1014945

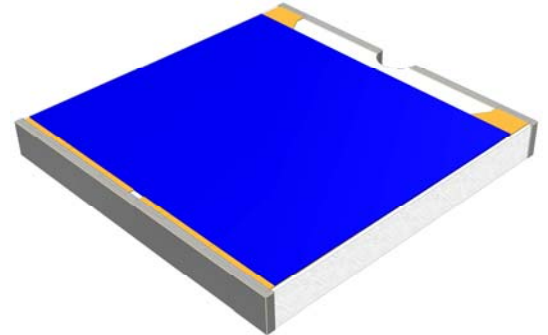
EN 15-0321
Revision -

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: 83A3998*F

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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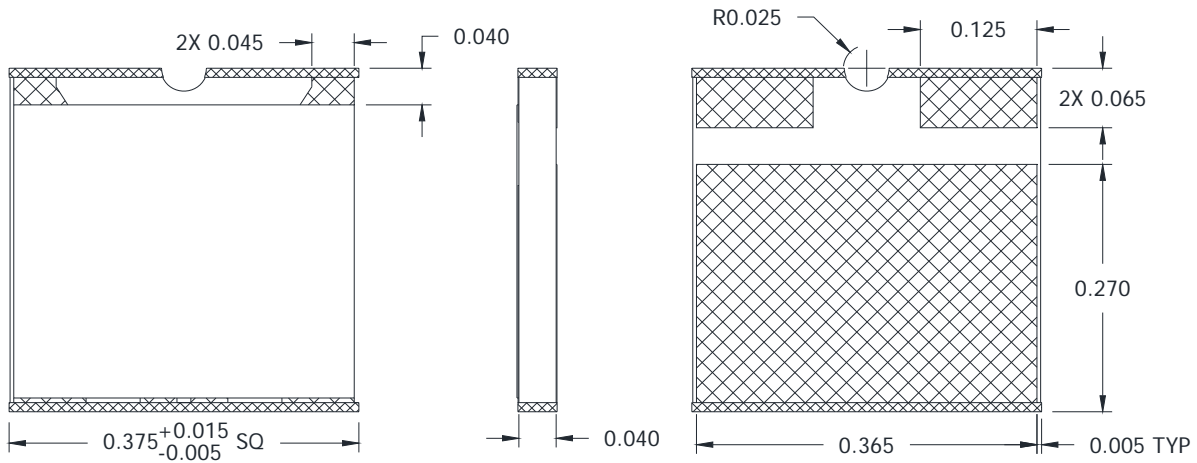
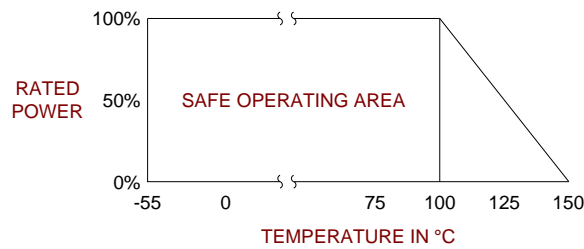
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6.0 MECHANICAL

Substrate Material:	Beryllium Oxide
Resistive Film:	Nichrome
Terminal Material:	Silver 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