

ATTENUATOR CHIP 200 mW



DATA SHEET

PART SERIES: KFAXX.00-XSMTF

SHEET 1 OF 3
Dwg 1012415

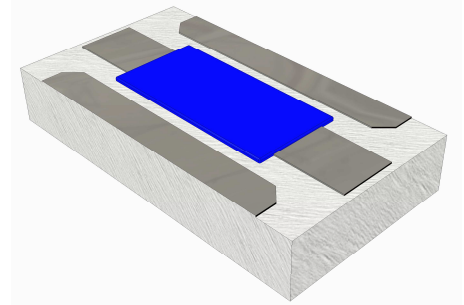
EN 15-1398
Revision A

FEATURES

- Small Footprint
- Excellent High Frequency Performance
- Surface Mount
- Low VSWR
- Easy Installation
- Wide Attenuation Offering

APPLICATIONS

- Satellite Communication
- Point-to-Point Radio
- Military
- Instrumentation
- Power Amplifiers



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: **KFAXX.00-XSMTF**

ATTENUATION VALUE

FREQUENCY RANGE

5 = 18 – 27 GHz

6 = 27 – 36 GHz

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	18 – 27 GHz; 27 – 36 GHz
Attenuation Values Available:	0-10 dB
*Attenuation Accuracy:	± 0.75 dB
Input Power CW:	200 mW Max
Peak Power:	2 W (based on 10 µs pulse width, 1% duty cycle)
*VSWR:	1.35:1 Typical 1.50:1 Maximum

*Note: Based on EMC test fixture (RO4350B 0.0133" THK CPWG)

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: dB VALUE

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

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5.0 PACKAGING

Standard Packaging:

Tape and Reel

6.0 MECHANICAL

Substrate Material:

Alumina

Resistive Film:

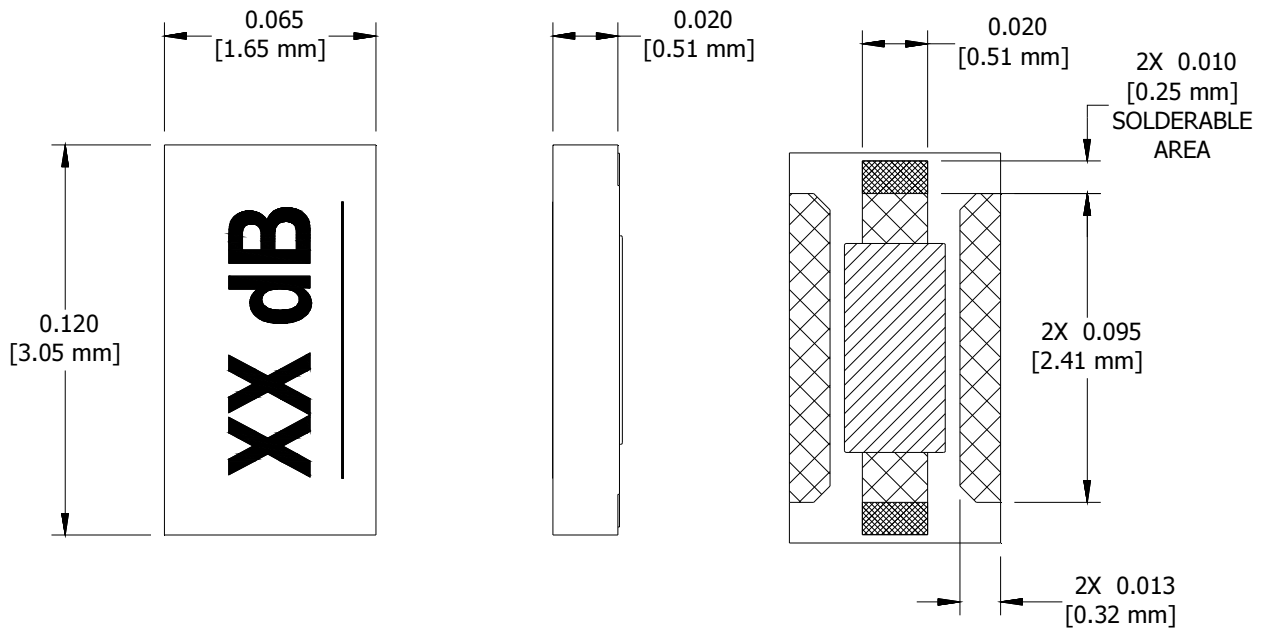
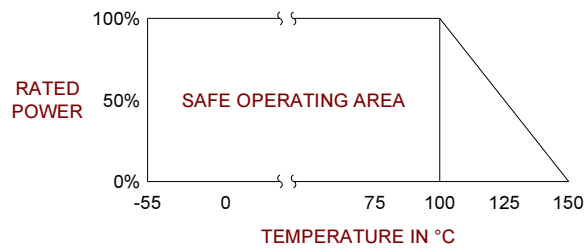
Thin film

Terminal Material:

Thick film

Metric Dimensions:

Provided for reference only



Note: Specifications are subject to change.

Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.01 X.XXX = ± 0.005

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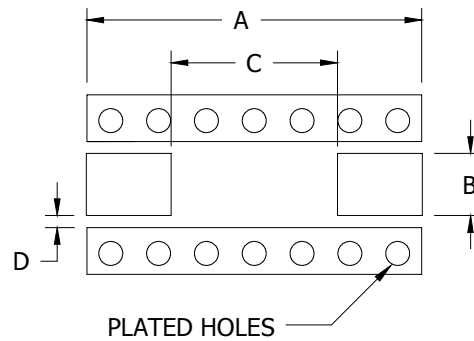
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7.0 SUGGESTED LAND PATTERN



DIMENSION							
INCHES				METRIC			
A	B	C	D	A	B	C	D
0.125	0.020	0.100	0.010	3.175	0.508	2.54	0.254