ATTENUATOR CHIP 200 mW



DATA SHEET

PART SERIES: KFAXX.00-XSMTF

Military

FEATURES

APPLICATIONS

Instrumentation Power Amplifiers

Satellite Communication

Point-to-Point Radio

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

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

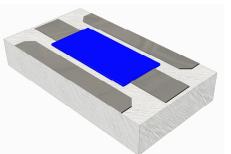
Unit Marking: dB VALUE

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

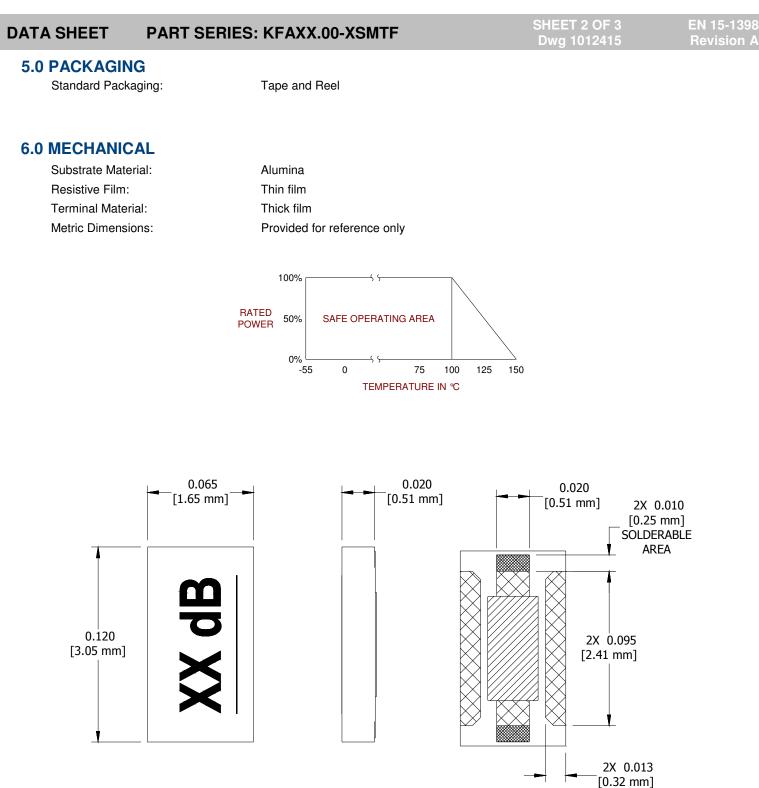


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Note: Specifications are subject to change. Unless Otherwise Specified: TOLERANCE: $X.XX = \pm 0.01$ $X.XXX = \pm 0.005$

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

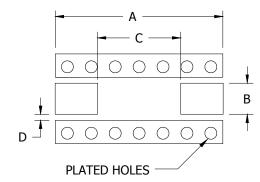
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7.0 SUGGESTED LAND PATTERN



DIMENSION								
	INCHES			METRIC				
Α	В	С	D	A	В	С	D	
0.125	0.020	0.100	0.010	3.175	0.508	2.54	0.254	