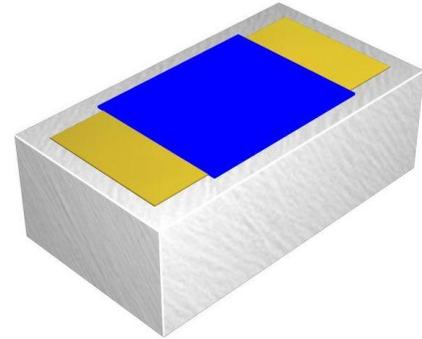


FEATURES

- Temperature Variable
- Surface Mount
- 0402 Footprint
- Wideband Performance
- Passive Compensation

APPLICATIONS

- Mobile Networks
- Portable RF Devices
- ZigBee Network Devices
- Instrumentation
- Wireless Mesh Network
- Low Noise Amplifiers



GENERAL DESCRIPTION

EMC Technology is the leading authority in temperature variable attenuators. Thermopad® temperature variable attenuators have been a highly reliable passive solution for over temperature gain variation compensation for more than 30 years. The AN11 series is the smallest Thermopad to date and an excellent choice for applications where size must be kept to a minimum. These surface-mount temperature variable attenuators are packaged in tape and reel and ready for automated assembly.

SPECIFICATIONS

1.0 ELECTRICAL

Impedance	50 Ω
Frequency	DC - 6 GHz
Power Rating	0.1 Watts
Operating Temperature	-55 °C To +150 °C
VSWR	1.30:1 Typ. 1.60:1 Max.
TCA *	-0.003 thru -0.007 dB/dB/°C
Nominal Attenuation	1, 2 dB

2.0 MECHANICAL

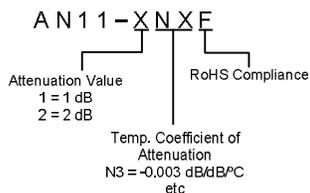
Substrate	Alumina
Conductor	Thick Film
Resistive Element	Thick Film

4.0 PACKAGING

Standard:	Tape and Reel
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5.0 PART NUMBERING

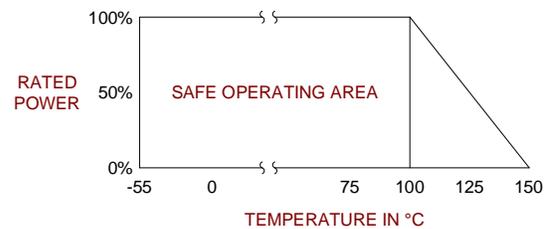
Part Identifier: AN11-XNXF



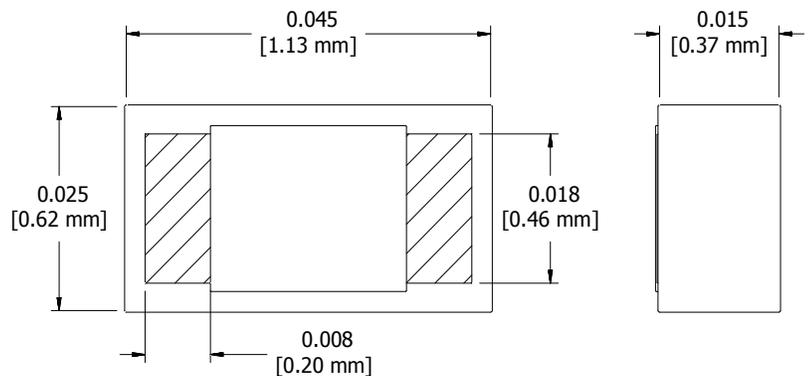
* Temperature Coefficient of Attenuation.

** Specifications are subject to change without notice.

POWER RATING AND DERATING



MECHANICAL OUTLINE



Unless Otherwise Specified: TOLERANCE: .XXX = $\pm .005$