



ATTENUATOR TEMPERATURE VARIABLE

DATASHEET PART SERIES: AN11-XNXF

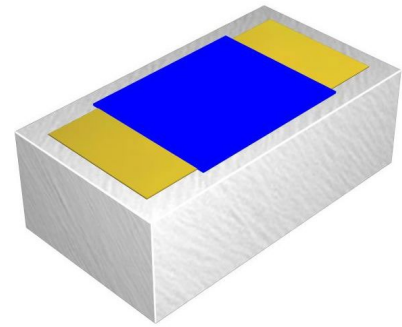
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Revision B

ORDERING INFORMATION

Part Identifier: AN11-XNXF

Temp Coefficient of Attenuation

Attenuation Value



SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	DC - 6 GHz
Attenuation Values Available:	1 and 2 dB
Attenuation Accuracy:	@ 25°C: ± 0.5 dB
VSWR:	1.30: typ 1.60:1 max
Input Power	0.1 Watts
Temperature Coefficient of	-0.003 and -0.005 dB/dB/°C
Temperature Coefficient Tolerance:	± 0.001 dB/dB/°C

2.0 ENVIRONMENTAL

Operating Temperature:	-55°C to +150°C
Non-operating Temperature:	-65°C to +150°C

3.0 MARKING

Unit Marking:	None
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4.0 QUALITY ASSURANCE

Sample Inspect Per ANSI/ASQC Z1.4 General Inspection, Level II, AQL=1.0.

Visual and Mechanical Examination for Conformance to Outline Drawing Requirements

Sample Inspection (Destructive Testing).

Select three (3) units from lot and measure DCA every 20°C over the temperature range of -55°C to +125°C; Calculate using linear regression, the slope of the curve.

Calculate TCA using the following formula:

$$TCA = \frac{Slope}{Attenuation @ 25^{\circ}C}$$

Inspection in accordance with 824W170 and 824F036, for commercial grade product.

Test Data Requirements:

No Data Required for Customer

Data Retention – 24 Months

5.0 PACKAGING

Standard:	Tape and Reel
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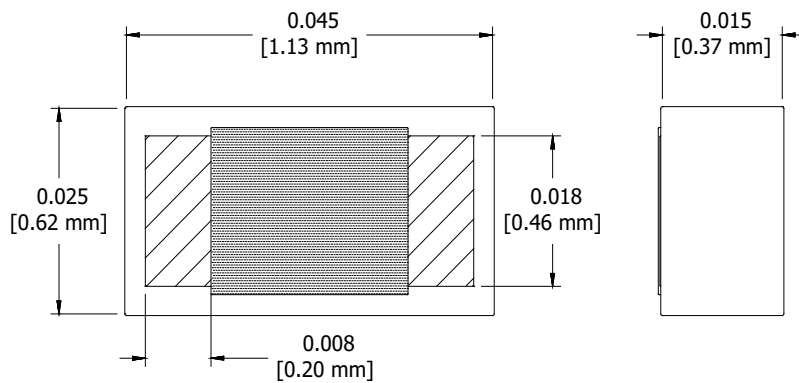
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6.0 MECHANICAL

Substrate Material: Alumina
Terminal Material: Thick Film ROHS Compliant
Resistive Element: Thick film



Metric Dimensions for Reference Only:

TOLERANCE: X.XX = ± 0.01 X.XXX = ± 0.005