

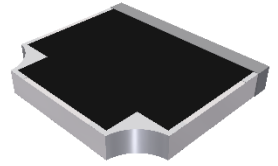


ORDERING INFORMATION

PART IDENTIFIER:

83A7044XX.XXF

Attenuation Value



SPECIFICATIONS

1. ELECTRICAL:

Nominal Impedance:	50 Ω
Frequency Range:	DC – 6.0 GHz
Attenuation Values Available:	See Table 1
Attenuation Accuracy:	See Table 1
Input Power CW:	10 watts @ 100°C heat sink, derated linearly to zero power at 150°C
Peak Power:	100 watts (based on 10 μ s pulse width and 1% duty cycle)
VSWR:	See Table 1

TABLE 1

Attenuation Value	Frequency	Attenuation Accuracy	VSWR
1 – 10 dB	DC – 2.0 GHz	± 0.4 dB	1.15:1 Max
	2.0 – 4.0 GHz	± 0.7 dB	1.25:1 Max
	4.0 – 6.0 GHz	± 0.9 dB	1.40:1 Max
15 and 20 dB	DC – 3.0 GHz	± 0.5 dB	1.25:1 Max
	3.0 – 6.0 GHz	± 1.0 dB	1.50:1 Max

2. ENVIRONMENTAL:

Operating Temperature:	-55°C to +150°C
Non-operating Temperature:	-65°C to +150°C
Temperature Coefficient:	+/-200 PPM / °C max

3. MARKING:

Unit Marking:	None
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4. 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.

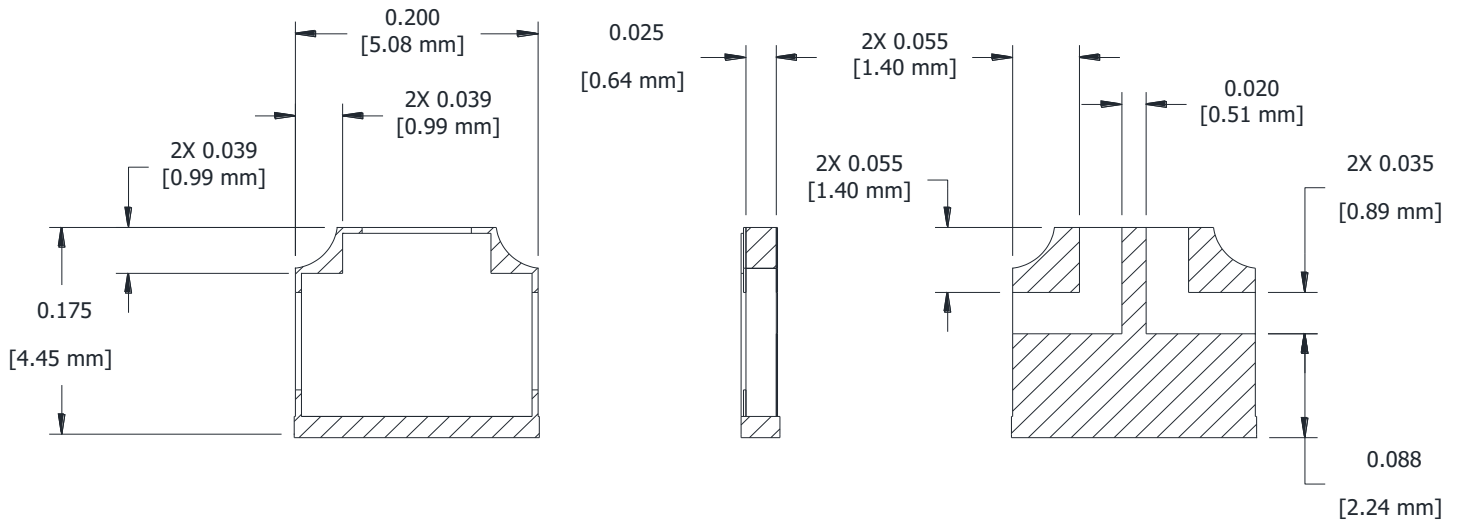
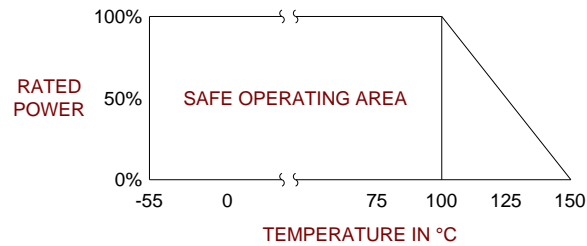
5. PACKAGING:

Standard Packaging:	Tape and Reel
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6. MECHANICAL:

Substrate Material:	Aluminum Nitride
Resistive Film:	Thick film
Terminal Material:	Thick film, silver plated.
Metric Dimensions:	Provided for reference only.



Unless Otherwise Specified:

TOLERANCE: X.XX = ± 0.02 X.XXX = ± 0.010