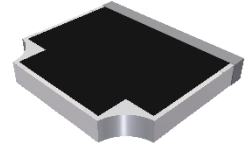


## ORDERING INFORMATION

## PART IDENTIFIER:

83-7044-XX.00

Attenuation Value



## SPECIFICATIONS

## 1. ELECTRICAL:

Nominal Impedance:	50 $\Omega$
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 $\mu$ 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	$\pm 0.4$ dB	1.15:1 Max
	2.0 – 4.0 GHz	$\pm 0.7$ dB	1.25:1 Max
	4.0 – 6.0 GHz	$\pm 0.9$ dB	1.40:1 Max
15 and 20 dB	DC – 3.0 GHz	$\pm 0.5$ dB	1.25:1 Max
	3.0 – 6.0 GHz	$\pm 1.0$ 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
---------------	------

## 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.

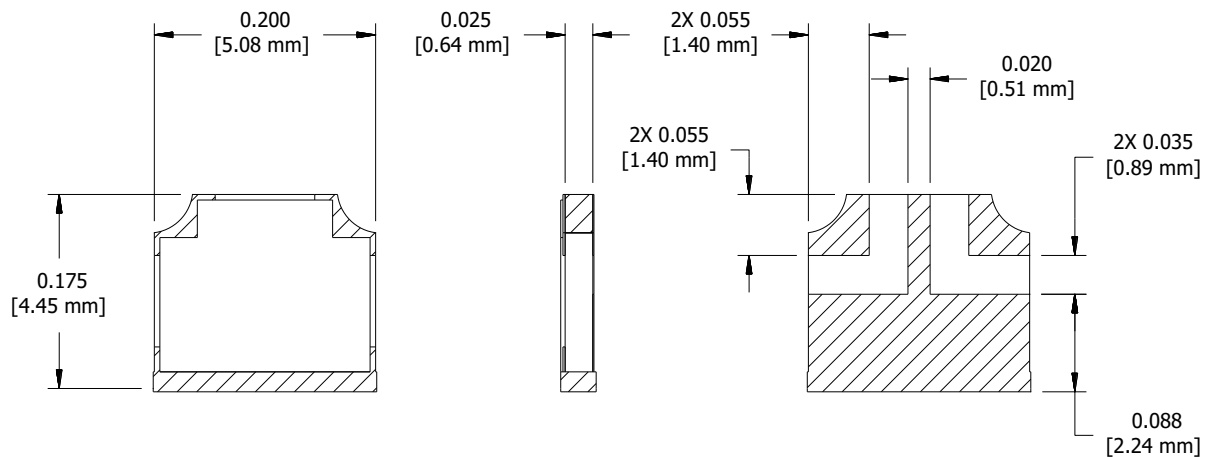
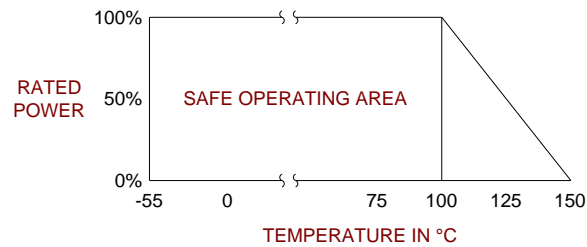
Data Retention – Standard.

## 5. PACKAGING:

Standard Packaging:	Tape and Reel
---------------------	---------------

**6. MECHANICAL:**

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



Unless Otherwise Specified: TOLERANCE: X.XX =  $\pm 0.02$  X.XXX =  $\pm 0.010$