

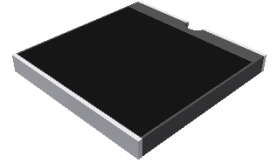


## ORDERING INFORMATION

## PART IDENTIFIER:

83A7027XX.XXF

Attenuation Value



## SPECIFICATIONS

## 1. ELECTRICAL:

Nominal Impedance:	50 $\Omega$
Frequency Range:	DC – 3 GHz
Attenuation Values Available:	1 - 20 dB in 1 dB increments
Attenuation Accuracy:	1 – 10 dB $\pm 0.5$ dB 11 – 20 dB $\pm 1.0$ dB
Input Power CW:	20 watts @ 100°C heat sink, derated linearly to zero power at 150°C
Peak Power:	200 watts (based on 10 $\mu$ s pulse width and 1% duty cycle)
VSWR:	1.40:1 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:

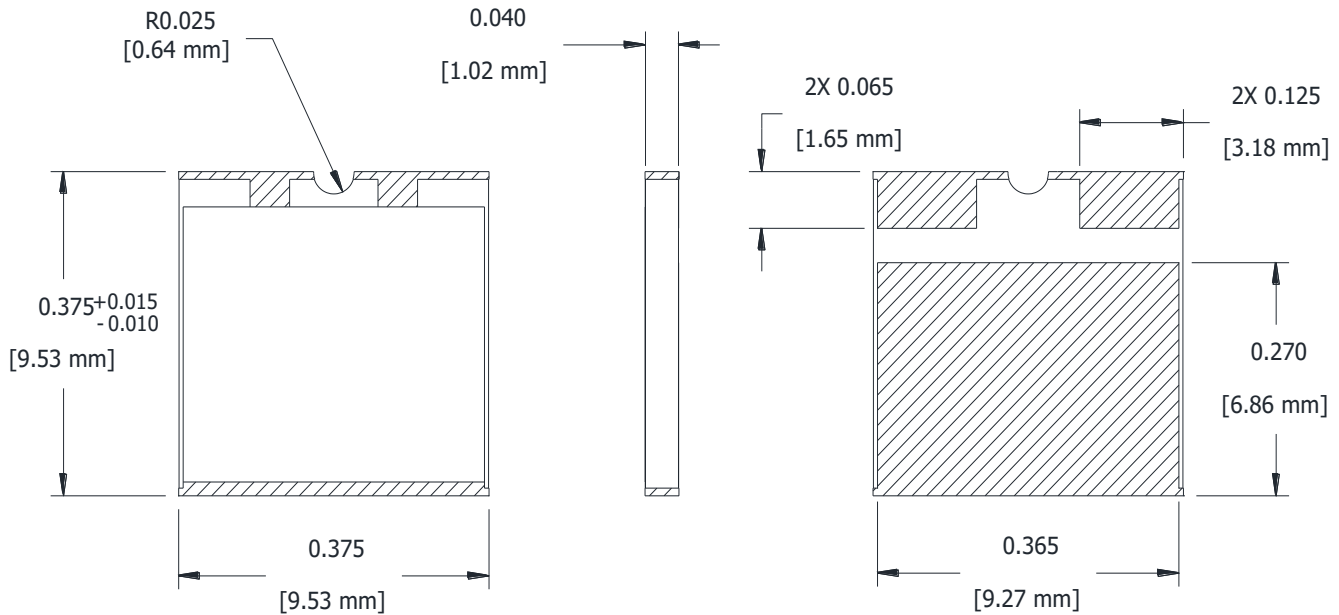
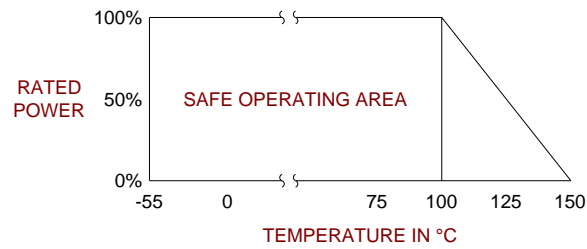
Standard Packaging:	Tape and Reel
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## 6. MECHANICAL:

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

## ATTENUATOR CHIP 20 WATT

DATASHEET PART SERIES: 83A7027XX.XXF

Sheet 2 of 2  
Doc# 83A7027FECO-083803  
Revision A

Unless Otherwise Specified:

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