

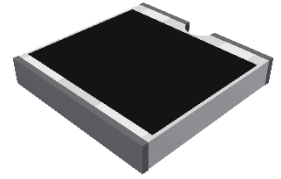


## ORDERING INFORMATION

## PART IDENTIFIER:

83A7999XX.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 and 30 dB.                                 |
| Attenuation Accuracy:         | 1 - 10 dB $\pm 0.5$ dB<br>11 - 20 dB $\pm 1.0$ dB<br>30 dB $\pm 1.5$ dB |
| 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:                         | 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.

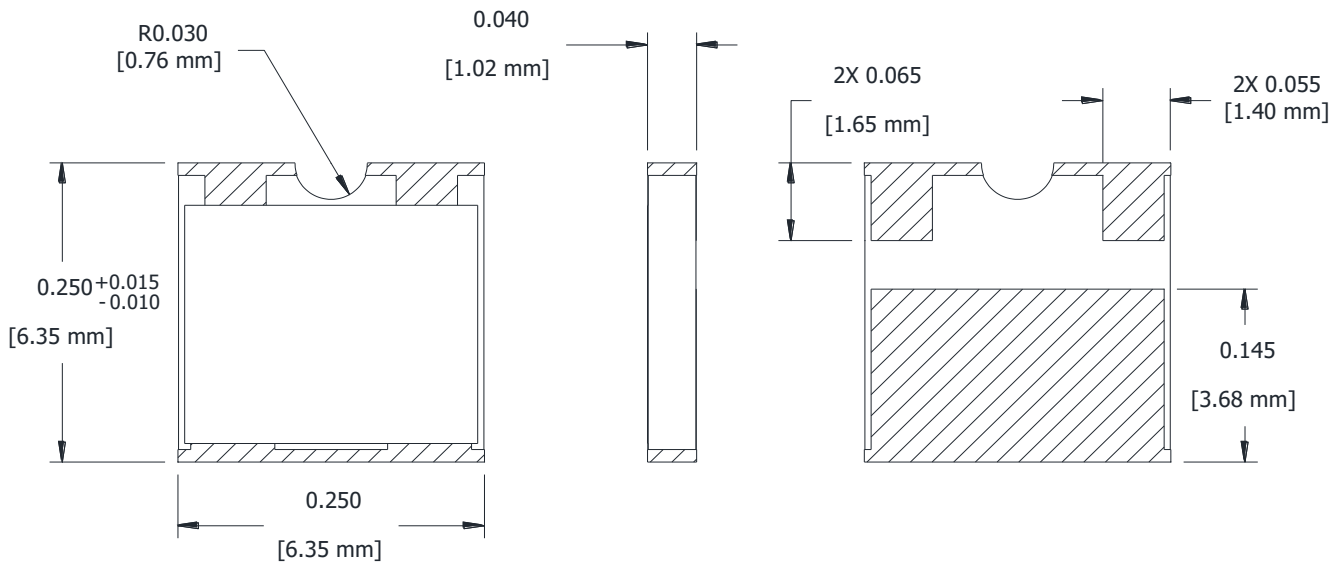
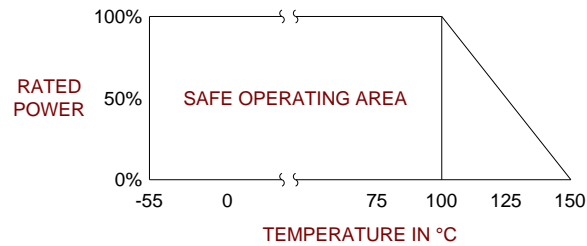
## 5. PACKAGING:

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



## 6. MECHANICAL:

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



Unless Otherwise Specified:

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