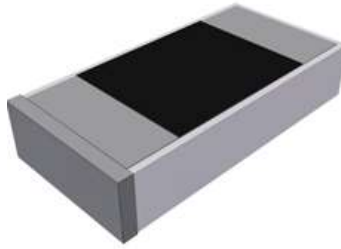


TERMINATION CHIP 10 WATT

DATASHEET PART SERIES: 82A3001F

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Revision -

ORDERING INFORMATION

PART IDENTIFIER: 82A3001F

SPECIFICATIONS

1. ELECTRICAL:

| | |
|--------------------|---|
| Nominal Impedance: | 50 Ω . |
| Frequency Range: | DC - 4.0 GHz. |
| VSWR: | 1.35:1 Max. |
| Input Power CW: | 10 Watts @ 100°C heat sink, derated linearly to zero power and 150°C. |
| Peak Power: | 100 Watts (based on 10 μ s pulse width and 1% duty cycle). |
| DC Resistance: | 50 $\Omega \pm 5\%$. |

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: | No Marking. |
|---------------|-------------|

4. QUALITY ASSURANCE:

| | |
|-----------------------------------|---------------------------|
| Visual and Mechanical Inspection: | Per 824W107. |
| DC Resistance Check: | 100% DC Resistance Check. |
| Data Retention: | Standard. |

5. PACKAGING:

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

6. MECHANICAL:

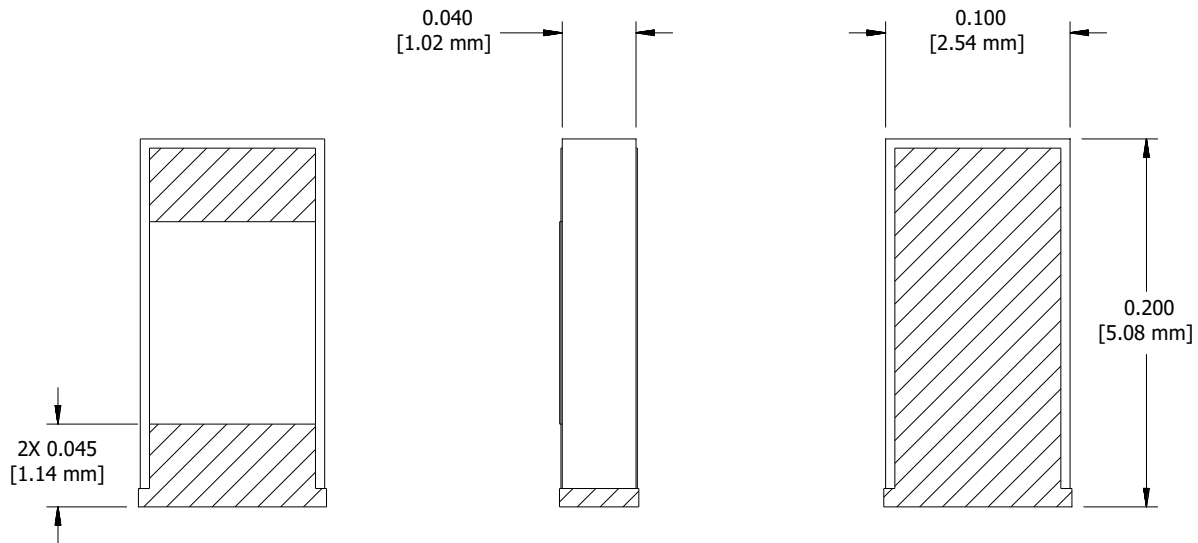
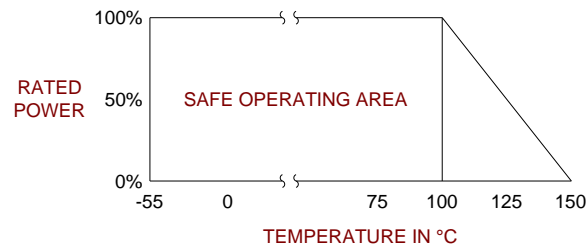
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| | |
|---------------------|------------------------------|
| Substrate Material: | Beryllium Oxide. |
| Resistive Film: | Thin Film. |
| Terminal Material: | Silver Plated. |
| Metric Dimensions: | Provided for reference only. |



Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.02 X.XXX = ± 0.010 .