



Click [here](#) for the 3D model.

General Information

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|----------------|------------------------------|
| Supplier | KEMET |
| Series | VE |
| Type | Varistors |
| Style | SMD Chip |
| Description | Surface Mount Varistors |
| Features | Low Voltage High Temperature |
| Termination | Nickel Tin |
| RoHS | With Exemptions |
| Qualifications | IEC, UL, AEC-Q200 |
| AEC-Q200 | Yes |

Dimensions

| | |
|-----------|-----------------|
| Chip Size | 1812 |
| L | 4.7mm +/-0.4mm |
| W | 3.2mm +/-0.3mm |
| T | 1.9mm MAX |
| B | 0.5mm +/-0.25mm |

Packaging Specifications

| | |
|--------------------|------|
| Packaging | T&R |
| Packaging Quantity | 1000 |

Specifications

| | |
|---------------------------|------------------------|
| Voltage DC | 65 VDC (25C) |
| Voltage AC | 50 VAC |
| Temperature Range | -55/+150°C |
| Storage Temperature Range | -55/+150°C |
| Varistor Voltage | 82 VDC at 1 mA |
| Clamping Voltage | 137 V |
| Clamping Current | 5 A (8/20 us MAX) |
| Surge Current | 400 A (8/20 us MAX) |
| Energy | 4.8 J (10/1000 us MAX) |
| Power | 0.015 W (MAX) |
| Capacitance | 710 pF (1kHz) |

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