



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

#### General Information

|                |                              |
|----------------|------------------------------|
| 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                | 100 VDC (25C)          |
| Voltage AC                | 75 VAC                 |
| Temperature Range         | -55/+150°C             |
| Storage Temperature Range | -55/+150°C             |
| Varistor Voltage          | 120 VDC at 1 mA        |
| Clamping Voltage          | 202 V                  |
| Clamping Current          | 5 A (8/20 us MAX)      |
| Surge Current             | 400 A (8/20 us MAX)    |
| Energy                    | 5.8 J (10/1000 us MAX) |
| Power                     | 0.015 W (MAX)          |
| Capacitance               | 440 pF (1kHz)          |

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