



[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, AEC-Q200                |

#### Dimensions

|                      |                 |
|----------------------|-----------------|
| L                    | 1.6mm +/-0.2mm  |
| W                    | 0.8mm +/-0.1mm  |
| T                    | 0.95mm          |
| B                    | 0.5mm +/-0.25mm |
| Case Code (EIA / mm) | 0603 / 1608     |

#### Specifications

|                           |                       |
|---------------------------|-----------------------|
| Voltage DC                | 38 VDC (25C)          |
| Voltage AC                | 30 VAC                |
| Temperature Range         | -55/+150°C            |
| Storage Temperature Range | -55/+150°C            |
| Varistor Voltage          | 47 VDC at 1mA         |
| Clamping Voltage          | 79 V                  |
| Clamping Current          | 1A (8/20 us MAX)      |
| Surge Current             | 30 A (8/20 us MAX)    |
| Energy                    | 0.1J (10/1000 us MAX) |
| Power                     | 0.003 W (MAX)         |
| Capacitance               | 160 pF (1kHz)         |

#### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | T&R  |
| Packaging Quantity | 3500 |

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