



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

#### General Information

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

#### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 0603            |
| L         | 1.6mm +/-0.2mm  |
| W         | 0.8mm +/-0.1mm  |
| T         | 0.95mm MAX      |
| B         | 0.5mm +/-0.25mm |

#### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | T&R  |
| Packaging Quantity | 4000 |

#### Specifications

|                           |                        |
|---------------------------|------------------------|
| Voltage DC                | 18 VDC (25C)           |
| Voltage AC                | 14 VAC                 |
| Temperature Range         | -55/+125°C             |
| Storage Temperature Range | -55/+150°C             |
| Varistor Voltage          | 22 VDC at 1 mA         |
| Clamping Voltage          | 38 V                   |
| Clamping Current          | 1 A (8/20 us MAX)      |
| Surge Current             | 30 A (8/20 us MAX)     |
| Energy                    | 0.3 J (10/1000 us MAX) |
| Power                     | 0.003 W (MAX)          |
| Capacitance               | 195 pF (1kHz)          |

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