

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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

### Dimensions

|           |                 |
|-----------|-----------------|
| Footprint | 6032            |
| L         | 6mm +/-0.3mm    |
| W         | 3.2mm +/-0.3mm  |
| H         | 2.5mm +/-0.3mm  |
| T         | 0.13mm REF      |
| S         | 1.3mm +/-0.3mm  |
| F         | 2.2mm +/-0.1mm  |
| A         | 3.1mm MIN       |
| B         | 0.5mm +/-0.15mm |
| E         | 2.4mm REF       |
| G         | 2.8mm REF       |
| P         | 0.9mm REF       |
| R         | 1mm REF         |
| X         | 0.1mm +/-0.1mm  |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 178mm |
| Packaging Quantity | 500        |

### General Information

|                  |                                       |
|------------------|---------------------------------------|
| Series           | T496                                  |
| Dielectric       | MnO <sub>2</sub> Tantalum             |
| Style            | SMD Chip                              |
| Description      | SMD, MnO <sub>2</sub> , Molded, Fused |
| Features         | Integral Fuse                         |
| RoHS             | Yes                                   |
| Termination      | Tin                                   |
| AEC-Q200         | No                                    |
| Component Weight | 224.48 mg                             |
| Shelf Life       | 156 Weeks                             |
| MSL              | 1                                     |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 1 $\mu$ F  |
| Capacitance Tolerance | 20%  |
| Voltage DC            | 50 VDC (85C), 33.5 VDC (125C)                                      |
| Temperature Range     | -55/+125°C   |
| Rated Temperature     | 85°C   |
| Dissipation Factor    | 4% 120Hz 25C   |
| Failure Rate          | N/A  |
| Resistance            | 5500 mOhms (100kHz 25C)  |
| Ripple Current        | 141 mA (rms, 100kHz 25C), 126.9 mA (rms, 85C), 56.4 mA (rms, 125C) |
| Leakage Current       | 0.5 $\mu$ A (5min 25°C)  |