

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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### General Information

|                  |  |
|------------------|--|
| Series           | T496   |
| Dielectric       | MnO2 Tantalum  |
| Style            | SMD Chip   |
| Description      | SMD, MnO2, Molded, Fused   |
| Features         | Integral Fuse  |
| RoHS             | No   |
| Prop 65          | <b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">http://www.p65warnings.ca.gov</a> |
| SCIP Number      | 1dd2e1b8-26dd-4d52-927c-6f9d519011aa   |
| Termination      | Solder Coated  |
| AEC-Q200         | No   |
| Component Weight | 224.48 mg  |
| Shelf Life       | 156 Weeks  |
| MSL              | 1  |

### 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  |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 22 uF   |
| Capacitance Tolerance | 10%   |
| Voltage DC            | 10 VDC (85C), 6.7 VDC (125C)  |
| Temperature Range     | -55/+125°C  |
| Rated Temperature     | 85°C  |
| Dissipation Factor    | 6% 120Hz 25C  |
| Failure Rate          | N/A   |
| Resistance            | 500 mOhms (100kHz 25C)  |
| Ripple Current        | 469 mA (rms, 100kHz 25C), 422.1 mA (rms, 85C), 187.6 mA (rms, 125C) |
| Leakage Current       | 2.2 uA (5min 25°C)  |

### Packaging Specifications

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

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