

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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

### Dimensions

|           |                 |
|-----------|-----------------|
| Footprint | 7343            |
| L         | 7.3mm +/-0.3mm  |
| W         | 4.3mm +/-0.3mm  |
| H         | 2.8mm +/-0.3mm  |
| T         | 0.13mm REF      |
| S         | 1.3mm +/-0.3mm  |
| F         | 2.4mm +/-0.1mm  |
| A         | 3.8mm MIN       |
| B         | 0.5mm +/-0.15mm |
| E         | 3.5mm REF       |
| G         | 3.5mm REF       |
| P         | 0.9mm REF       |
| R         | 1mm REF         |
| X         | 0.1mm +/-0.1mm  |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 330mm |
| Packaging Quantity | 2500       |

### General Information

|                  |   |
|------------------|---|
| Series           | T502  |
| Dielectric       | MnO <sub>2</sub> Tantalum                                       |
| Style            | SMD Chip  |
| Description      | SMD, MnO <sub>2</sub> , Un-Encapsulated, High Temperature, 230C |
| Features         | 230C  |
| RoHS             | Yes   |
| Termination      | Gold  |
| AEC-Q200         | No  |
| Component Weight | 292 mg  |
| Shelf Life       | 156 Weeks   |
| MSL              | 1   |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 6.8 uF   |
| Capacitance Tolerance | 10%  |
| Voltage DC            | 35 VDC (85C), 28.7 VDC (125C), 11.6 VDC (230C) |
| Temperature Range     | -55/+230°C                                     |
| Rated Temperature     | 85°C   |
| Humidity              | 85C, 85% RH, 0 V, 500 Hours                    |
| Dissipation Factor    | 6% 120Hz 25C                                   |
| Failure Rate          | N/A  |
| Resistance            | 1.8 Ohms (100kHz 25C)                          |
| Ripple Current        | 289 mA (rms, 100kHz 45C)                       |
| Leakage Current       | 2.4 uA (5min 25°C)                             |