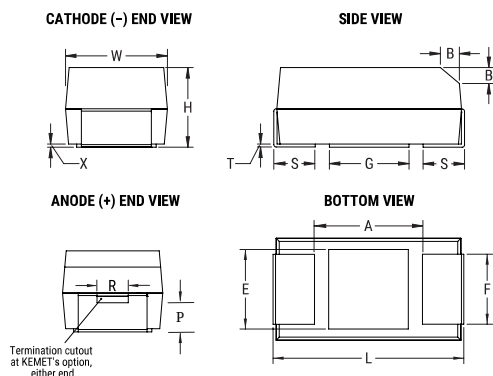


T491, Tantalum, MnO2 Tantalum, 68 uF, 10%, 10 VDC, SMD, MnO2, Molded, 1 Ohms, 6032, Height Max = 2.8mm



### General Information

|                     |                   |
|---------------------|-------------------|
| <b>Supplier:</b>    | KEMET             |
| <b>Series:</b>      | T491              |
| <b>Dielectric:</b>  | MnO2 Tantalum     |
| <b>Style:</b>       | SMD Chip          |
| <b>Description:</b> | SMD, MnO2, Molded |
| <b>RoHS:</b>        | Yes               |
| <b>Termination:</b> | Tin               |
| <b>Shelf Life:</b>  | 156 Weeks         |
| <b>MSL:</b>         | 1                 |

### Dimensions

|                  |                 |
|------------------|-----------------|
| <b>Footprint</b> | 6032            |
| <b>L</b>         | 6mm +/-0.3mm    |
| <b>W</b>         | 3.2mm +/-0.3mm  |
| <b>H</b>         | 2.5mm +/-0.3mm  |
| <b>T</b>         | 0.13mm REF      |
| <b>S</b>         | 1.3mm +/-0.3mm  |
| <b>F</b>         | 2.2mm +/-0.1mm  |
| <b>A</b>         | 2.9mm MIN       |
| <b>B</b>         | 0.5mm +/-0.15mm |
| <b>E</b>         | 2.4mm REF       |
| <b>G</b>         | 2.8mm REF       |
| <b>P</b>         | 0.9mm REF       |
| <b>R</b>         | 1mm REF         |
| <b>X</b>         | 0.1mm +/-0.1mm  |

### Specifications

|                               |                                                                  |
|-------------------------------|------------------------------------------------------------------|
| <b>Capacitance:</b>           | 68 uF                                                            |
| <b>Capacitance Tolerance:</b> | 10%                                                              |
| <b>Voltage DC:</b>            | 10 VDC (85C), 6.7 VDC (125C)                                     |
| <b>Temperature Range:</b>     | -55/+125C                                                        |
| <b>Rated Temperature:</b>     | 85°C                                                             |
| <b>Dissipation Factor:</b>    | 6.00% 120Hz 20C                                                  |
| <b>Failure Rate:</b>          | N/A                                                              |
| <b>Resistance:</b>            | 1 Ohms (100kHz)                                                  |
| <b>Ripple Current:</b>        | 332 mAmps (100kHz 25C),<br>298.8 mAmps (85C), 132.8 mAmps (125C) |
| <b>Leakage Current:</b>       | 6.8 uA (5min 20C)                                                |

### Packaging Specifications

|                            |            |
|----------------------------|------------|
| <b>Weight:</b>             | 224.48 mg  |
| <b>Packaging:</b>          | T&R, 178mm |
| <b>Packaging Quantity:</b> | 500        |