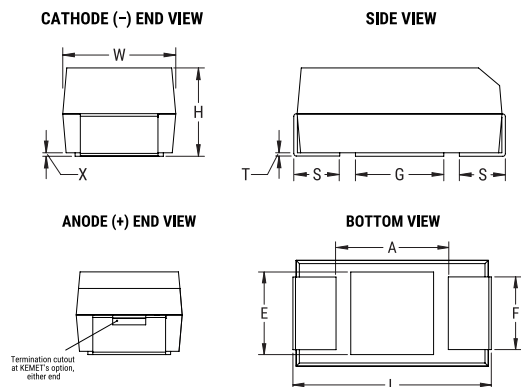


T491, Tantalum, MnO2 Tantalum, 47 uF, 10%, 10 VDC, SMD, MnO2, Molded, Low Profile, 1.4 Ohms, 6032, Height Max = 1.5mm



### General Information

|              |                                |
|--------------|--------------------------------|
| Series:      | T491                           |
| Dielectric:  | MnO2 Tantalum                  |
| Style:       | SMD Chip                       |
| Description: | SMD, MnO2, Molded, Low Profile |
| RoHS:        | Yes                            |
| Termination: | Tin                            |
| AEC-Q200:    | No                             |
| Shelf Life:  | 156 Weeks                      |
| MSL:         | 1                              |

### Dimensions

|           |                |
|-----------|----------------|
| Footprint | 6032           |
| L         | 6mm +/-0.3mm   |
| W         | 3.2mm +/-0.2mm |
| H         | 1.4mm +/-0.1mm |
| T         | 0.13mm REF     |
| S         | 1.3mm +/-0.3mm |
| F         | 2.2mm +/-0.1mm |
| A         | 2.9mm MIN      |
| E         | 2.4mm REF      |
| G         | 2.8mm REF      |
| X         | 0.05mm REF     |

### Specifications

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| Capacitance:           | 47 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 20C                                                           |
| Failure Rate:          | N/A                                                                    |
| Resistance:            | 1.4 Ohms (100kHz)                                                      |
| Ripple Current:        | 254 mA (rms, 100kHz 25C),<br>228.6 mA (rms, 85C), 101.6 mA (rms, 125C) |
| Leakage Current:       | 4.7 uA (5min 20°C)                                                     |

### Packaging Specifications

|                     |            |
|---------------------|------------|
| Weight:             | 70 mg      |
| Packaging:          | T&R, 178mm |
| Packaging Quantity: | 1000       |