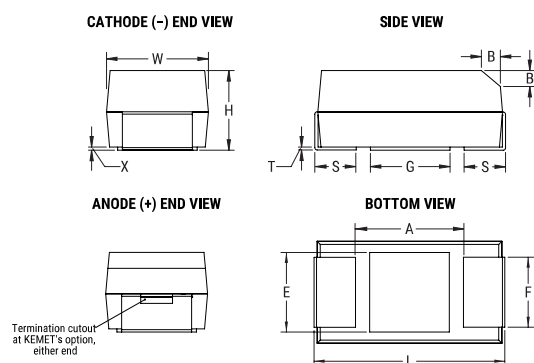


T491, Tantalum, MnO2 Tantalum, 1.5 uF, 20%, 25 VDC, SMD, MnO2, Molded, 7 Ohms, 3216, Height Max = 1.8mm



### General Information

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

### Dimensions

|           |                   |
|-----------|-------------------|
| Footprint | 3216              |
| L         | 3.2mm +/-0.2mm    |
| W         | 1.6mm +/-0.2mm    |
| H         | 1.6mm +/-0.2mm    |
| T         | 0.13mm REF        |
| S         | 0.8mm +0.2/-0.3mm |
| F         | 1.2mm +/-0.1mm    |
| A         | 1.2mm MIN         |
| B         | 0.4mm +/-0.15mm   |
| E         | 1.3mm REF         |
| G         | 1.1mm REF         |
| P         | 0.4mm REF         |
| R         | 0.4mm REF         |
| X         | 0.1mm +/-0.1mm    |

### Specifications

|                        |                                                             |
|------------------------|-------------------------------------------------------------|
| Capacitance:           | 1.5 uF                                                      |
| Capacitance Tolerance: | 20%                                                         |
| Voltage DC:            | 25 VDC (85C), 16.75 VDC (125C)                              |
| Temperature Range:     | -55/+125C                                                   |
| Rated Temperature:     | 85C                                                         |
| Dissipation Factor:    | 6.00% 120Hz 20C                                             |
| Failure Rate:          | N/A                                                         |
| Resistance:            | 7 Ohms (100kHz)                                             |
| Ripple Current:        | 104 mAmps (100kHz 25C), 93.6 mAmps (85C), 41.6 mAmps (125C) |
| Leakage Current:       | 0.5 uA (5min 20C)                                           |

### Packaging Specifications

|                     |            |
|---------------------|------------|
| Weight:             | 58.6 mg    |
| Packaging:          | T&R, 178mm |
| Packaging Quantity: | 2000       |