

T491, Tantalum, MnO2 Tantalum, 22 uF, 10%, 16 VDC, SMD, MnO2, Molded, 2.2 Ohms, 3528, Height Max = 2.1mm



| 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  | 3528              |
| L          | 3.5mm +/-0.2mm    |
| W          | 2.8mm +/-0.2mm    |
| H          | 1.9mm +/-0.2mm    |
| T          | 0.13mm REF        |
| S          | 0.8mm +0.2/-0.3mm |
| F          | 2.2mm +/-0.1mm    |
| A          | 1.9mm MIN         |
| B          | 0.4mm +/-0.15mm   |
| E          | 2.2mm REF         |
| G          | 1.8mm REF         |
| P          | 0.5mm REF         |
| R          | 1mm REF           |
| X          | 0.1mm +/-0.1mm    |

| Specifications         |                                                              |
|------------------------|--------------------------------------------------------------|
| Capacitance:           | 22 uF                                                        |
| Capacitance Tolerance: | 10%                                                          |
| Voltage DC:            | 16 VDC (85C), 10.72 VDC (125C)                               |
| Temperature Range:     | -55/+125C                                                    |
| Rated Temperature:     | 85°C                                                         |
| Dissipation Factor:    | 6.00% 120Hz 20C                                              |
| Failure Rate:          | N/A                                                          |
| Resistance:            | 2.2 Ohms (100kHz)                                            |
| Ripple Current:        | 197 mAmps (100kHz 25C), 177.3 mAmps (85C), 78.8 mAmps (125C) |
| Leakage Current:       | 3.5 uA (5min 20C)                                            |

| Packaging Specifications |            |
|--------------------------|------------|
| Weight:                  | 107.45 mg  |
| Packaging:               | T&R, 178mm |
| Packaging Quantity:      | 2000       |

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