

T499, Tantalum, MnO2 Tantalum, High Temperature, 4.7 uF, 10%, 16 VDC, SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200, N/A, 6 Ohms, 3528, Height Max = 2.1mm



| 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 +/-0.3mm  |
| 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  |

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

| General Information |  |
|---------------------|--|
| Supplier:           | KEMET  |
| Series:             | T499   |
| Dielectric:         | MnO2 Tantalum                                    |
| Style:              | SMD Chip   |
| Description:        | SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200 |
| Features:           | Automotive, 175C                                 |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Qualifications:     | AEC-Q200   |
| AEC-Q200:           | Yes  |
| Shelf Life:         | 156 Weeks  |
| MSL:                | 1  |

| Specifications         |  |
|------------------------|--|
| Capacitance:           | 4.7 uF   |
| Capacitance Tolerance: | 10%  |
| Voltage DC:            | 16 VDC (85C), 12.44 VDC (125C), 5.3 VDC (175C)               |
| Temperature Range:     | -55/+175C  |
| Rated Temperature:     | 85C  |
| Dissipation Factor:    | 6.00% 120Hz 20C  |
| Failure Rate:          | N/A  |
| Resistance:            | 6000 mOhms (100kHz)  |
| Ripple Current:        | 119 mAmps (100kHz 25C), 107.1 mAmps (85C), 23.8 mAmps (175C) |
| Leakage Current:       | 0.8 uA (5min 20C)  |

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