

T510, Tantalum, MnO2 Tantalum, Multi-Anode, 1,000 uF, 10%, 4 VDC, SMD, MnO2, Molded, Multiple Anodes, Low ESR, 30 mOhms, 7343, Height Max = 4.3mm



| General Information |   |
|---------------------|---|
| Series:             | T510  |
| Dielectric:         | MnO2 Tantalum                               |
| Style:              | SMD Chip                                    |
| Description:        | SMD, MnO2, Molded, Multiple Anodes, Low ESR |
| Features:           | Low ESR                                     |
| RoHS:               | Yes   |
| Termination:        | Tin   |
| AEC-Q200:           | No  |
| Component Weight:   | 430.15 mg                                   |
| Shelf Life:         | 156 Weeks                                   |
| MSL:                | 1   |

| Dimensions |                 |
|------------|-----------------|
| Footprint  | 7343            |
| L          | 7.3mm +/-0.3mm  |
| W          | 4.3mm +/-0.3mm  |
| H          | 4mm +/-0.3mm    |
| T          | 0.13mm REF      |
| S          | 1.3mm +/-0.3mm  |
| F          | 2.4mm +/-0.1mm  |
| A          | 3.8mm MIN       |
| B          | 0.5mm +/-0.15mm |
| E          | 3.5mm REF       |
| G          | 3.5mm REF       |
| P          | 1.7mm REF       |
| R          | 1mm REF         |
| X          | 0.1mm +/-0.1mm  |

| Specifications         |  |
|------------------------|--|
| Capacitance:           | 1,000 uF   |
| Capacitance Tolerance: | 10%  |
| Voltage DC:            | 4 VDC (85C), 2.68 VDC (125C)                                       |
| Temperature Range:     | -55/+125°C   |
| Rated Temperature:     | 85°C   |
| Dissipation Factor:    | 6% 120Hz 25C   |
| Failure Rate:          | N/A  |
| Resistance:            | 30 mOhms (100kHz 25C)  |
| Ripple Current:        | 3000 mA (rms, 100kHz 25C), 2700 mA (rms, 85C), 1200 mA (rms, 125C) |
| Leakage Current:       | 40 uA (5min 25°C)  |

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging:               | T&R, 178mm |
| Packaging Quantity:      | 500        |

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