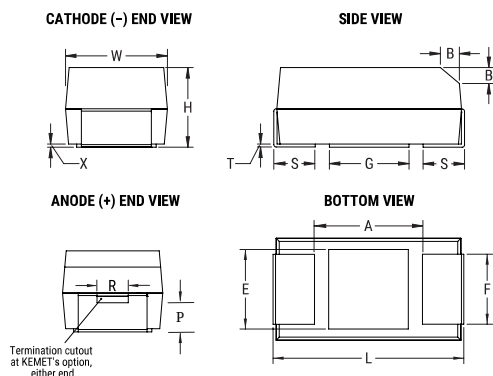


T510, Tantalum, MnO<sub>2</sub> Tantalum, Multi-Anode, 10 uF, 10%, 50 VDC, SMD, MnO<sub>2</sub>, Molded, Multiple Anodes, Low ESR, 90 mOhms, 7343, Height Max = 4.3mm



### 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  |

### Packaging Specifications

|                     |            |
|---------------------|------------|
| Weight:             | 430.15 mg  |
| Packaging:          | T&R, 178mm |
| Packaging Quantity: | 500        |

### General Information

|              |                                                          |
|--------------|----------------------------------------------------------|
| Series:      | T510                                                     |
| Dielectric:  | MnO <sub>2</sub> Tantalum                                |
| Style:       | SMD Chip                                                 |
| Description: | SMD, MnO <sub>2</sub> , Molded, Multiple Anodes, Low ESR |
| Features:    | Low ESR                                                  |
| RoHS:        | Yes                                                      |
| Termination: | Tin                                                      |
| AEC-Q200:    | No                                                       |
| Shelf Life:  | 156 Weeks                                                |
| MSL:         | 1                                                        |

### Specifications

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| Capacitance:           | 10 uF                                                                    |
| Capacitance Tolerance: | 10%                                                                      |
| Voltage DC:            | 50 VDC (85C), 33.5 VDC (125C)                                            |
| Temperature Range:     | -55/+125°C                                                               |
| Rated Temperature:     | 85°C                                                                     |
| Dissipation Factor:    | 8% 120Hz 20C                                                             |
| Failure Rate:          | N/A                                                                      |
| Resistance:            | 90 mOhms (100kHz)                                                        |
| Ripple Current:        | 1732 mA (rms, 100kHz 25C),<br>1558.8 mA (rms, 85C), 692.8 mA (rms, 125C) |
| Leakage Current:       | 5 uA (5min 20°C)                                                         |