

T530, Tantalum, Polymer Tantalum, Multi-Anode, 680 uF, 20%, 2.5 VDC, SMD, Polymer, Molded, Multiple Anodes, Low ESR, 7 mOhms, 7343, Height Max = 4mm



| General Information |  |
|---------------------|--|
| Series:             | T530   |
| Dielectric:         | Polymer Tantalum                               |
| Style:              | SMD Chip                                       |
| Description:        | SMD, Polymer, Molded, Multiple Anodes, Low ESR |
| Features:           | Low ESR  |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| AEC-Q200:           | No   |
| Component Weight:   | 378.06 mg                                      |
| Shelf Life:         | 52 Weeks                                       |
| MSL:                | 3  |

| Dimensions |                 |
|------------|-----------------|
| Footprint  | 7343            |
| L          | 7.3mm +/-0.3mm  |
| W          | 4.3mm +/-0.3mm  |
| H          | 3.8mm +/-0.2mm  |
| T          | 0.13mm REF      |
| S          | 1.3mm +/-0.3mm  |
| F          | 2.4mm +/-0.1mm  |
| A          | 3.8mm MIN       |
| B          | 0.5mm +/-0.15mm |
| P          | 1.7mm REF       |
| R          | 1mm REF         |
| X          | 0.1mm +/-0.1mm  |

| Specifications         |  |
|------------------------|--|
| Capacitance:           | 680 uF   |
| Capacitance Tolerance: | 20%  |
| Voltage DC:            | 2.5 VDC (105C), 1.68 VDC (125C)                                    |
| Temperature Range:     | -55/+125°C   |
| Rated Temperature:     | 105°C  |
| Life:                  | 2000 Hrs (125C)  |
| Humidity:              | 60C, 90% RH, 1000 Hours, No Load                                   |
| Dissipation Factor:    | 8% 120Hz 25C   |
| Failure Rate:          | N/A  |
| Resistance:            | 7 mOhms (100kHz 25C)   |
| Ripple Current:        | 6100 mA (rms, 100kHz 45C), 4270 mA (rms, 85C), 1525 mA (rms, 125C) |
| Leakage Current:       | 170 uA (5min 25°C)   |

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

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