

T598, Tantalum, Polymer Tantalum, 100 uF, 20%, 16 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 50 mOhms, 7343, Height Max = 3.1mm



| General Information |   |
|---------------------|---|
| Supplier:           | KEMET                                   |
| Series:             | T598                                    |
| Dielectric:         | Polymer Tantalum                        |
| Style:              | SMD Chip                                |
| Description:        | SMD, Polymer, Molded, Low ESR, AEC-Q200 |
| Features:           | Automotive                              |
| RoHS:               | Yes                                     |
| Termination:        | Tin                                     |
| Qualifications:     | AEC-Q200                                |
| AEC-Q200:           | Yes                                     |
| Shelf Life:         | 52 Weeks                                |
| MSL:                | 3                                       |

| Dimensions |                 |
|------------|-----------------|
| Footprint  | 7343            |
| L          | 7.3mm +/-0.3mm  |
| W          | 4.3mm +/-0.3mm  |
| H          | 2.8mm +/-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 |
| P          | 0.9mm REF       |
| R          | 1mm REF         |
| X          | 0.1mm +/-0.1mm  |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 100 uF  |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 16 VDC (105C), 10.72 VDC (125C)                                 |
| Temperature Range:     | -55/+125C   |
| Rated Temperature:     | 105°C   |
| Humidity:              | 85C, 85% RH, load, 1000 Hours                                   |
| Dissipation Factor:    | 10.00% 120Hz 25C  |
| Failure Rate:          | N/A   |
| Resistance:            | 50 mOhms (100kHz 25C)   |
| Ripple Current:        | 2121 mAmps (100kHz 45C), 1908.9 mAmps (85C), 530.3 mAmps (125C) |
| Leakage Current:       | 160 uA (5min 25C)   |

| Packaging Specifications |            |
|--------------------------|------------|
| Weight:                  | 434.83 mg  |
| Packaging:               | T&R, 178mm |
| Packaging Quantity:      | 500        |

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