

T598D477M004ATE025

T598, Tantalum, Polymer Tantalum, 470 uF, 20%, 4 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 25 mOhms, 7343, Height Max = 3.1mm

CATHODE (-) END VIEW SIDE VIEW ANODE (+) END VIEW BOTTOM VIEW Termination cutout at KEMET's option, either end

Click here for the 3D model.

| Dimensions | | |
|------------|-----------------|--|
| Footprint | 7343 | |
| L | 7.3mm +/-0.3mm | |
| W | 4.3mm +/-0.3mm | |
| Н | 2.8mm +/-0.3mm | |
| Т | 0.13mm REF | |
| S | 1.3mm +/-0.3mm | |
| F | 2.4mm +/-0.1mm | |
| Α | 3.8mm MIN | |
| В | 0.5mm +/-0.15mm | |
| Р | 0.9mm REF | |
| R | 1mm REF | |
| X | 0.1mm +/-0.1mm | |
| | | |

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

| General Information | |
|---------------------|---|
| 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 |
| Component Weight | 434.8 mg |
| Shelf Life | 52 Weeks |
| MSL | 3 |

| Specifications | |
|--------------------------|---|
| Capacitance | 470 uF |
| Capacitance Tolerance | 20% |
| Voltage DC | 4 VDC (105C), 2.68 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 105°C |
| Humidity | 85C, 85% RH, load, 1000 Hours |
| Dissipation Factor | 10% 120Hz 25C |
| Failure Rate | N/A |
| Resistance | 25 mOhms (100kHz 25C) |
| Ripple Current | 4240 mA (rms, 100kHz 45C), 2968 mA (rms, 105C), 1060 mA (rms, 125C) |
| Leakage Current | 188 uA (5min 25°C) |

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