

T598, Tantalum, Polymer Tantalum, 1.5 uF, 20%, 50 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 200 mOhms, 3528, Height Max = 2.1mm



### Dimensions

| Footprint | 3528            |
|-----------|-----------------|
| L         | 3.5mm +/-0.2mm  |
| W         | 2.8mm +/-0.2mm  |
| H         | 1.9mm +/-0.2mm  |
| T         | 0.13mm REF      |
| S         | 0.8mm +/-0.3mm  |
| F         | 2.2mm +/-0.1mm  |
| A         | 1.1mm MIN       |
| B         | 0.4mm +/-0.15mm |
| P         | 0.5mm REF       |
| R         | 1mm REF         |
| X         | 0.1mm +/-0.1mm  |

### Packaging Specifications

|                     |            |
|---------------------|------------|
| Weight:             | 94.85 mg   |
| Packaging:          | T&R, 178mm |
| Packaging Quantity: | 2000       |

### General Information

|                 |                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------|
| Series:         | T598                                                                                                                |
| Dielectric:     | Polymer Tantalum                                                                                                    |
| Style:          | SMD Chip                                                                                                            |
| Description:    | SMD, Polymer, Molded, Low ESR, AEC-Q200                                                                             |
| Features:       | Automotive                                                                                                          |
| RoHS:           | No                                                                                                                  |
| Prop 65:        | <b>WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> . |
| REACH:          | SVHC (Pb - CAS 7439-92-1)                                                                                           |
| Termination:    | Solder Coated                                                                                                       |
| Qualifications: | AEC-Q200                                                                                                            |
| AEC-Q200:       | Yes                                                                                                                 |
| Shelf Life:     | 52 Weeks                                                                                                            |
| MSL:            | 3                                                                                                                   |

### Specifications

|                        |                                                                  |
|------------------------|------------------------------------------------------------------|
| Capacitance:           | 1.5 uF                                                           |
| Capacitance Tolerance: | 20%                                                              |
| Voltage DC:            | 50 VDC (105C), 33.5 VDC (125C)                                   |
| Temperature Range:     | -55/+125°C                                                       |
| Rated Temperature:     | 105°C                                                            |
| Humidity:              | 85C, 85% RH, load, 1000 Hours                                    |
| Dissipation Factor:    | 8% 120Hz 25C                                                     |
| Failure Rate:          | N/A                                                              |
| Resistance:            | 200 mOhms (100kHz 25C)                                           |
| Ripple Current:        | 820 mA (rms, 100kHz 45C), 574 mA (rms, 105C), 205 mA (rms, 125C) |
| Leakage Current:       | 7.5 uA (5min 25°C)                                               |