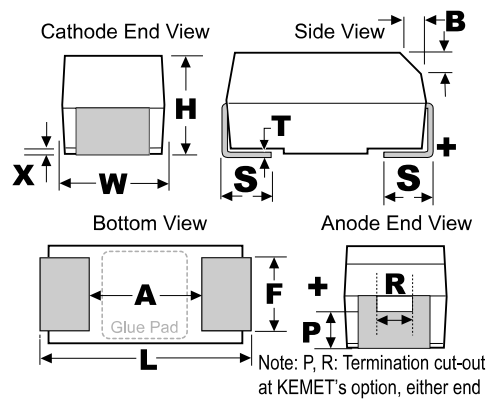


Tantalum, Polymer Tantalum, T591, 47 uF, 20%, 6.3 V, 3528, SMD, Polymer, Molded, Low ESR, 70 mOhms, 2.1mm



| General Information | |
|---------------------|-------------------------------|
| Dielectric: | Polymer Tantalum |
| Style: | SMD Chip |
| Series: | T591 |
| Description: | SMD, Polymer, Molded, Low ESR |
| Features: | Automotive |
| RoHS: | Yes |
| Termination: | Tin |
| Approvals: | AEC-Q200 |

| 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 |

| Specifications | |
|------------------------|---|
| Capacitance: | 47 uF |
| Capacitance Tolerance: | 20% |
| Voltage DC: | 6.3 VDC (105C), 4.22 VDC (125C) |
| Temperature Range: | -55/+125C |
| Dissipation Factor: | 8% 120Hz 25C |
| Failure Rate: | N/A |
| Resistance: | 70 mOhms (100kHz 25C) |
| Current: | 1347 mAmps (100kHz 45C), 1212.3 mAmps (85C), 336.8 mAmps (125C) |
| Leakage: | 29.6 uAmps (5min 5C) |

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