



| General Information | |
|---------------------|------------------------------------|
| Series | B451 |
| Dielectric | MnO ₂ Tantalum |
| Style | SMD Chip |
| Description | SMD, Molded, Low ESR, Surge Robust |
| Features | Low ESR, Surge Robust |
| RoHS | Yes |
| Termination | Gold |
| AEC-Q200 | No |

| Specifications | |
|-----------------------|--|
| Capacitance | 4.7 uF |
| Capacitance Tolerance | 10% |
| Voltage DC | 25 VDC (85C), 16.75 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 4% |
| Failure Rate | N/A |
| ESR | 0.9 Ohms (100kHz) |
| Ripple Current | 310 mAmps (25C), 279 mAmps (85C), 124 mAmps (125C) |
| Leakage Current | 1.2 uA |

| Dimensions | |
|------------|----------------|
| Footprint | 3528 |
| L | 3.5mm +/-0.2mm |
| W | 2.8mm +/-0.2mm |
| H | 1.9mm +/-0.2mm |
| S | 0.7mm +/-0.3mm |
| F | 2.2mm +/-0.1mm |

| Packaging Specifications | |
|--------------------------|------------|
| Packaging | T&R, 178mm |
| Packaging Quantity | 2000 |

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