

## T489B476M006ATA1K6

T489 Auto, Tantalum, MnO<sub>2</sub> Tantalum, Commercial Grade, 47 uF, 20%, 6.3 VDC, SMD, MnO<sub>2</sub>, Molded, Low Leakage, Auto, AEC-Q200, 1.62 Ohms, 3528, 2.1 mm, 0.8 mm



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### General Information

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| Series                   | T489 Auto                                                   |
| Dielectric               | MnO <sub>2</sub> Tantalum                                   |
| Style                    | SMD Chip                                                    |
| Description              | SMD, MnO <sub>2</sub> , Molded, Low Leakage, Auto, AEC-Q200 |
| Features                 | Low Leakage, Automotive                                     |
| RoHS                     | Yes                                                         |
| Termination              | Tin                                                         |
| Qualifications           | AEC-Q200                                                    |
| AEC-Q200                 | Yes                                                         |
| Typical Component Weight | 107.45 mg                                                   |

### Specifications

|                    |                                |
|--------------------|--------------------------------|
| Capacitance        | 47 uF                          |
| Tolerance          | 20%                            |
| Voltage DC         | 6.3 VDC (85C), 4.22 VDC (125C) |
| Temperature Range  | -55/+125°C                     |
| Rated Temperature  | 85°C                           |
| Dissipation Factor | 6% 120Hz 25C                   |
| Failure Rate       | N/A                            |
| ESR                | 1620 mOhms (100kHz 25C)        |
| Ripple Current     | 229 mA (rms, 100kHz 25C)       |
| Leakage Current    | 2.2 uA (5min 25°C)             |

### Dimensions

|   |                    |
|---|--------------------|
| 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 | 1.9mm MIN          |
| B | 0.4mm +/-0.15mm    |
| E | 2.2mm REF          |
| G | 1.8mm REF          |
| P | 0.5mm REF          |
| R | 1mm REF            |
| X | 0.1mm +/-0.1mm REF |

### Packaging Specifications

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

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