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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  |
| Typical Component Weight | 58.6 mg   |

**Dimensions**

|   |                    |
|---|--------------------|
| L | 3.2mm +/-0.2mm     |
| W | 1.6mm +/-0.2mm     |
| H | 1.6mm +/-0.2mm     |
| T | 0.13mm REF         |
| S | 0.8mm +/-0.3mm     |
| F | 1.2mm +/-0.1mm     |
| A | 1.2mm MIN          |
| B | 0.4mm +/-0.15mm    |
| E | 1.3mm REF          |
| G | 1.1mm REF          |
| P | 0.4mm REF          |
| R | 0.4mm REF          |
| X | 0.1mm +/-0.1mm REF |

**Specifications**

|                    |                              |
|--------------------|------------------------------|
| Capacitance        | 10 uF                        |
| Tolerance          | 10%                          |
| Voltage DC         | 10 VDC (85C), 6.7 VDC (125C) |
| Temperature Range  | -55/+125°C                   |
| Rated Temperature  | 85°C                         |
| Dissipation Factor | 6% 120Hz 25C                 |
| Failure Rate       | N/A                          |
| ESR                | 2200 mOhms (100kHz 25C)      |
| Ripple Current     | 185 mA (rms, 100kHz 25C)     |
| Leakage Current    | 0.8 uA (5min 25°C)           |

**Packaging Specifications**

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

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