

## T489X107M020ATE300

T489, Tantalum, MnO<sub>2</sub> Tantalum, Commercial Grade, 100 uF, 20%, 20 VDC, SMD, MnO<sub>2</sub>, Molded, Low Leakage, 300 mOhms, 4.3 mm, 2817 / 7343



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### General Information

|                          |   |
|--------------------------|---|
| Series                   | T489  |
| Dielectric               | MnO <sub>2</sub> Tantalum                   |
| Style                    | SMD Chip                                    |
| Description              | SMD, MnO <sub>2</sub> , Molded, Low Leakage |
| Features                 | Low Leakage                                 |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Typical Component Weight | 652.04 mg                                   |
| Shelf Life               | 156 Weeks                                   |
| MSL                      | 1   |

### Dimensions

|   |                    |
|---|--------------------|
| L | 7.3mm +/-0.3mm     |
| W | 4.3mm +/-0.3mm     |
| H | 4mm +/-0.3mm       |
| T | 0.13mm REF         |
| S | 1.3mm +/-0.3mm     |
| F | 2.4mm +/-0.1mm     |
| A | 3.8mm MIN          |
| B | 0.5mm +/-0.15mm    |
| E | 3.5mm REF          |
| G | 3.5mm REF          |
| P | 1.7mm REF          |
| R | 1mm REF            |
| X | 0.1mm +/-0.1mm REF |

### Specifications

|                    |                               |
|--------------------|-------------------------------|
| Capacitance        | 100 uF                        |
| Tolerance          | 20%                           |
| Voltage DC         | 20 VDC (85C), 13.4 VDC (125C) |
| Temperature Range  | -55/+125°C                    |
| Rated Temperature  | 85°C                          |
| Dissipation Factor | 6% 120Hz 25C                  |
| Failure Rate       | N/A                           |
| ESR                | 300 mOhms (100kHz 25C)        |
| Ripple Current     | 742 mA (rms, 100kHz 25C)      |
| Leakage Current    | 15 uA (5min 25°C)             |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 178mm |
| Packaging Quantity | 500        |

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