

## T489C106K035ATA600

T489 Auto, Tantalum, MnO<sub>2</sub> Tantalum, 10  $\mu$ F, 10%, 35 VDC, SMD, MnO<sub>2</sub>, Molded, Low Leakage, Auto, AEC-Q200, 600 mOhms, 6032, Height Max = 2.8mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



Click [here](#) for the 3D model.

### Dimensions

|           |                 |
|-----------|-----------------|
| Footprint | 6032            |
| L         | 6mm +/-0.3mm    |
| W         | 3.2mm +/-0.3mm  |
| H         | 2.5mm +/-0.3mm  |
| T         | 0.13mm REF      |
| S         | 1.3mm +/-0.3mm  |
| F         | 2.2mm +/-0.1mm  |
| A         | 3.1mm MIN       |
| B         | 0.5mm +/-0.15mm |
| E         | 2.4mm REF       |
| G         | 2.8mm REF       |
| P         | 0.9mm REF       |
| R         | 1mm REF         |
| X         | 0.1mm +/-0.1mm  |

### Packaging Specifications

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

### 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   |
| Component Weight | 224.475 mg  |

### Specifications

|                       |                                |
|-----------------------|--------------------------------|
| Capacitance           | 10 $\mu$ F                     |
| Capacitance Tolerance | 10%                            |
| Voltage DC            | 35 VDC (85C), 23.45 VDC (125C) |
| Temperature Range     | -55/+125°C                     |
| Rated Temperature     | 85°C                           |
| Dissipation Factor    | 6% 120Hz 25C                   |
| Failure Rate          | N/A                            |
| Resistance            | 600 mOhms (100kHz 25C)         |
| Ripple Current        | 428 mA (rms, 100kHz 25C)       |
| Leakage Current       | 2.6 $\mu$ A (5min 25°C)        |

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