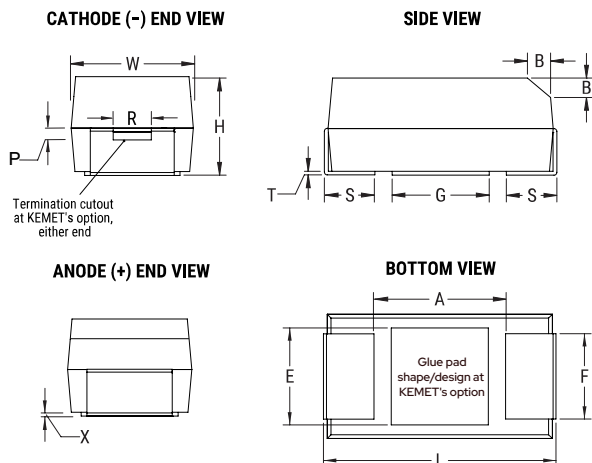


## T499A155K010ATE8K0

T499, Tantalum, MnO<sub>2</sub> Tantalum, High Temperature, 1.5 uF, 10%, 10 VDC, SMD, MnO<sub>2</sub>, Molded, Hi-Temp, 175C, Auto, AEC-Q200, N/A, 8 Ohms, 1.8 mm, 0.8 mm, 1206 / 3216



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

### General Information

|                          |   |
|--------------------------|---|
| Series                   | T499  |
| Dielectric               | MnO <sub>2</sub> Tantalum                                     |
| Style                    | SMD Chip  |
| Description              | SMD, MnO <sub>2</sub> , Molded, Hi-Temp, 175C, Auto, AEC-Q200 |
| Features                 | Automotive, 175C  |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Qualifications           | AEC-Q200  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 58.6 mg   |
| Shelf Life               | 156 Weeks   |
| MSL                      | 1   |

### Specifications

|                    |  |
|--------------------|--|
| Capacitance        | 1.5 uF   |
| Tolerance          | 10%  |
| Voltage DC         | 10 VDC (85C), 7.78 VDC (125C), 5 VDC (175C)                      |
| Temperature Range  | -55/+175°C   |
| Rated Temperature  | 85°C   |
| Dissipation Factor | 6% 120Hz 25C   |
| Failure Rate       | N/A  |
| ESR                | 8000 mOhms (100kHz 25C)  |
| Ripple Current     | 97 mA (rms, 100kHz 25C), 87.3 mA (rms, 85C), 19.4 mA (rms, 175C) |
| Leakage Current    | 0.5 uA (5min 25°C)   |

### 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 |

### Packaging Specifications

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

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.