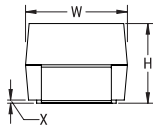


# KEMET Part Number: T491C157M010ATAUTO

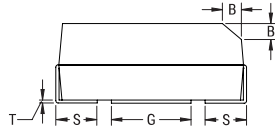


T491\_Auto, Tantalum, MnO2 Tantalum, 150 uF, 20%, 10 VDC, SMD, MnO2, Molded, Auto, AEC-Q200, 900 mOhms, 6032, Height Max = 2.8mm

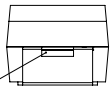
CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



Termination cutout at KEMET's option, either end.

BOTTOM VIEW



## General Information

|                        |                                   |
|------------------------|-----------------------------------|
| <b>Supplier:</b>       | KEMET                             |
| <b>Series:</b>         | T491_Auto                         |
| <b>Dielectric:</b>     | MnO2 Tantalum                     |
| <b>Style:</b>          | SMD Chip                          |
| <b>Description:</b>    | SMD, MnO2, Molded, Auto, AEC-Q200 |
| <b>Features:</b>       | Automotive                        |
| <b>RoHS:</b>           | Yes                               |
| <b>Termination:</b>    | Tin                               |
| <b>Qualifications:</b> | AEC-Q200                          |
| <b>AEC-Q200:</b>       | Yes                               |

## Dimensions

| Footprint | 6032            |
|-----------|-----------------|
| <b>L</b>  | 6mm +/-0.3mm    |
| <b>W</b>  | 3.2mm +/-0.3mm  |
| <b>H</b>  | 2.5mm +/-0.3mm  |
| <b>T</b>  | 0.13mm REF      |
| <b>S</b>  | 1.3mm +/-0.3mm  |
| <b>F</b>  | 2.2mm +/-0.1mm  |
| <b>A</b>  | 2.9mm MIN       |
| <b>B</b>  | 0.5mm +/-0.15mm |
| <b>E</b>  | 2.4mm REF       |
| <b>G</b>  | 2.8mm REF       |
| <b>P</b>  | 0.9mm REF       |
| <b>R</b>  | 1mm REF         |
| <b>X</b>  | 0.1mm +/-0.1mm  |

## Specifications

|                               |                              |
|-------------------------------|------------------------------|
| <b>Capacitance:</b>           | 150 uF                       |
| <b>Capacitance Tolerance:</b> | 20%                          |
| <b>Voltage DC:</b>            | 10 VDC (85C), 6.7 VDC (125C) |
| <b>Temperature Range:</b>     | -55/+125C                    |
| <b>Rated Temperature:</b>     | 85C                          |
| <b>Dissipation Factor:</b>    | 10.00% 120Hz 20c             |
| <b>Failure Rate:</b>          | N/A                          |
| <b>Resistance:</b>            | 0.9 Ohms (100kHz)            |
| <b>Leakage Current:</b>       | 15 uA (5min 20C)             |

## Packaging Specifications

|                            |            |
|----------------------------|------------|
| <b>Weight:</b>             | 224.48 mg  |
| <b>Packaging:</b>          | T&R, 178mm |
| <b>Packaging Quantity:</b> | 500        |

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