

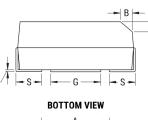
## T496C155K050AHE5K0

T496, Tantalum, MnO2 Tantalum, Fused, 1.5 uF, 10%, 50 VDC, SMD, MnO2, Molded, Fused, N/A, 5 Ohms, 6032, Height Max = 2.8mm

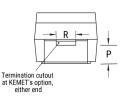
CATHODE (-) END VIEW

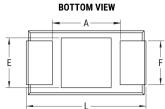


ANODE (+) END VIEW



SIDE VIEW





| General Information | ו   |
|---------------------|---|
| Series              | T496  |
| Dielectric          | MnO2 Tantalum   |
| Style               | SMD Chip  |
| Description         | SMD, MnO2, Molded, Fused  |
| Features            | Integral Fuse   |
| RoHS                | No  |
| Prop 65             | WARNING: Cancer and reproductive harm -<br>http://www.p65warnings.ca.gov. |
| SCIP Number         | 1dd2e1b8-26dd-4d52-927c-6f9d519011aa                                      |
| Termination         | Solder Coated   |
| AEC-Q200            | No  |
| Component<br>Weight | 224.48 mg   |
| Shelf Life          | 156 Weeks   |
| MSI                 | 1   |

| Click here | for the | 3D model. |
|------------|---------|-----------|
|------------|---------|-----------|

| Dimensions |                 |
|------------|-----------------|
| Footprint  | 6032            |
| L          | 6mm +/-0.3mm    |
| W          | 3.2mm +/-0.3mm  |
| Н          | 2.5mm +/-0.3mm  |
| Т          | 0.13mm REF      |
| S          | 1.3mm +/-0.3mm  |
| F          | 2.2mm +/-0.1mm  |
| А          | 3.1mm MIN       |
| В          | 0.5mm +/-0.15mm |
| E          | 2.4mm REF       |
| G          | 2.8mm REF       |
| Р          | 0.9mm REF       |
| R          | 1mm REF         |
| Х          | 0.1mm +/-0.1mm  |
|            |                 |

Т

| MSL 1                     |   |
|---------------------------|---|
| Specifications            |   |
| Capacitance               | 1.5 uF  |
| Capacitance<br>Tolerance  | 10%   |
| Voltage DC                | 50 VDC (85C), 33.5 VDC (125C)   |
| Temperature<br>Range      | -55/+125°C  |
| Rated<br>Temperature      | 85°C  |
| <b>Dissipation Factor</b> | 6% 120Hz 25C  |
| Failure Rate              | N/A   |
| Resistance                | 5000 mOhms (100kHz 25C)   |
| Ripple Current            | 148 mA (rms, 100kHz 25C), 133.2 mA (rms,<br>85C), 59.2 mA (rms, 125C) |

0.8 uA (5min 25°C)

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

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.

Leakage Current