

## T530Y477M006ATE005

T530, Tantalum, Polymer Tantalum, Multi-Anode, 470 uF, 20%, 6.3 VDC, SMD, Polymer, Molded, Multiple Anodes, Low ESR, 5 mOhms, 7343, Height Max = 4mm

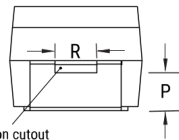
CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



Termination cutout at KEMET's option, either end

BOTTOM VIEW



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

### Dimensions

|           |                 |
|-----------|-----------------|
| Footprint | 7343            |
| L         | 7.3mm +/-0.3mm  |
| W         | 4.3mm +/-0.3mm  |
| H         | 3.8mm +/-0.2mm  |
| T         | 0.13mm REF      |
| S         | 1.3mm +/-0.3mm  |
| F         | 2.4mm +/-0.1mm  |
| A         | 3.8mm MIN       |
| B         | 0.5mm +/-0.15mm |
| P         | 1.7mm REF       |
| R         | 1mm REF         |
| X         | 0.1mm +/-0.1mm  |

### Packaging Specifications

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

### General Information

|                  |  |
|------------------|--|
| Series           | T530   |
| Dielectric       | Polymer Tantalum                               |
| Style            | SMD Chip                                       |
| Description      | SMD, Polymer, Molded, Multiple Anodes, Low ESR |
| Features         | Low ESR  |
| RoHS             | Yes  |
| Termination      | Tin  |
| AEC-Q200         | No   |
| Component Weight | 378.06 mg                                      |
| Shelf Life       | 52 Weeks                                       |
| MSL              | 3  |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 470 uF   |
| Capacitance Tolerance | 20%  |
| Voltage DC            | 6.3 VDC (105C), 4.22 VDC (125C)                                    |
| Temperature Range     | -55/+125°C   |
| Rated Temperature     | 105°C  |
| Life                  | 2000 Hrs (125C)  |
| Humidity              | 60C, 90% RH, 1000 Hours, No Load                                   |
| Dissipation Factor    | 8% 120Hz 25C   |
| Failure Rate          | N/A  |
| Resistance            | 5 mOhms (100kHz 25C)   |
| Ripple Current        | 7300 mA (rms, 100kHz 45C), 5110 mA (rms, 85C), 1825 mA (rms, 125C) |
| Leakage Current       | 296.1 uA (5min 25°C)   |