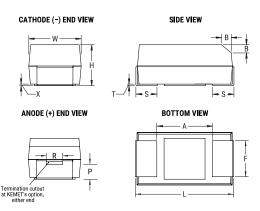
## KEMET Part Number: T521X336M050ATE050



T521, Tantalum, Polymer Tantalum, 33 uF, 20%, 50 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 50 mOhms, 7343, Height Max = 4.3mm



| Dimensions |                 |  |
|------------|-----------------|--|
| Footprint  | 7343            |  |
| L          | 7.3mm +/-0.3mm  |  |
| W          | 4.3mm +/-0.3mm  |  |
| Н          | 4mm +/-0.3mm    |  |
| Т          | 0.13mm REF      |  |
| S          | 1.3mm +/-0.3mm  |  |
| F          | 2.4mm +/-0.1mm  |  |
| Α          | 3.6mm MIN       |  |
| В          | 0.5mm +/-0.15mm |  |
| Р          | 1.7mm REF       |  |
| R          | 1mm REF         |  |
| Х          | 0.1mm +/-0.1mm  |  |

| Packaging Specifications |            |  |
|--------------------------|------------|--|
| Weight:                  | 553.96 mg  |  |
| Packaging:               | T&R, 178mm |  |
| Packaging Quantity:      | 500        |  |

| General Information |  |  |
|---------------------|--|--|
| Series:             | T521   |  |
| Dielectric:         | Polymer Tantalum                               |  |
| Style:              | SMD Chip                                       |  |
| Description:        | SMD, Polymer, Molded, Low ESR, Non-Combustible |  |
| Features:           | Low ESR, High Voltage                          |  |
| RoHS:               | Yes  |  |
| Termination:        | Tin  |  |
| AEC-Q200:           | No   |  |
| Shelf Life:         | 52 Weeks                                       |  |
| MSL:                | 3  |  |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 33 uF   |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 50 VDC (105C), 33.5 VDC<br>(125C)                                       |
| Temperature Range:     | -55/+125°C  |
| Rated Temperature:     | 105°C   |
| Humidity:              | 60C, 90% RH, 500 Hours, No<br>Load                                      |
| Dissipation Factor:    | 10% 120Hz 25C   |
| Failure Rate:          | N/A   |
| Resistance:            | 50 mOhms (100kHz 25C)   |
| Ripple Current:        | 2200 mA (rms, 100kHz 45C),<br>1540 mA (rms, 85C), 550 mA<br>(rms, 125C) |
| Leakage Current:       | 165 uA (5min 25°C)  |

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