

T521, Tantalum, Polymer Tantalum, 4.7 uF, 20%, 63 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 200 mOhms, 6032, Height Max = 2.8mm



| Dimensions |                 |
|------------|-----------------|
| Footprint  | 6032            |
| L          | 6mm +/-0.3mm    |
| W          | 3.2mm +/-0.2mm  |
| H          | 2.5mm +/-0.3mm  |
| T          | 0.13mm REF      |
| S          | 1.3mm +/-0.3mm  |
| F          | 2.2mm +/-0.1mm  |
| A          | 2.9mm MIN       |
| B          | 0.5mm +/-0.15mm |
| P          | 0.9mm REF       |
| R          | 1mm REF         |
| X          | 0.1mm +/-0.1mm  |

| Packaging Specifications |            |
|--------------------------|------------|
| Weight:                  | 184.14 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:               | No  |
| Prop 65:            | <b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> |
| REACH:              | SVHC (Pb – CAS 7439-92-1)   |
| Termination:        | Solder Coated   |
| AEC-Q200:           | No  |
| Shelf Life:         | 52 Weeks  |
| MSL:                | 3   |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 4.7 uF  |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 63 VDC (105C)   |
| Temperature Range:     | -55/+105°C  |
| Rated Temperature:     | 105°C   |
| Humidity:              | 60C, 90% RH, 500 Hours, No Load                                 |
| Dissipation Factor:    | 6% 120Hz 25C  |
| Failure Rate:          | N/A   |
| Resistance:            | 200 mOhms (100kHz 25C)  |
| Ripple Current:        | 900 mA (rms, 100kHz 45C), 630 mA (rms, 85C), 225 mA (rms, 105C) |
| Leakage Current:       | 29.6 uA (5min 25°C)   |

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