

T521, Tantalum, Polymer Tantalum, 33 uF, 20%, 16 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 3528, Height Max = 2mm



### Dimensions

| Footprint | 3528            |
|-----------|-----------------|
| L         | 3.5mm +/-0.2mm  |
| W         | 2.8mm +/-0.2mm  |
| H         | 1.9mm +/-0.1mm  |
| T         | 0.13mm REF      |
| S         | 0.8mm +/-0.3mm  |
| F         | 2.2mm +/-0.1mm  |
| A         | 1.9mm MIN       |
| B         | 0.4mm +/-0.15mm |
| P         | 0.5mm REF       |
| R         | 1mm REF         |
| X         | 0.1mm +/-0.1mm  |

### Packaging Specifications

|                     |            |
|---------------------|------------|
| Weight:             | 94.85 mg   |
| Packaging:          | T&R, 330mm |
| Packaging Quantity: | 8000       |

### 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:            | 16 VDC (105C)                                                    |
| Temperature Range:     | -55/+105°C                                                       |
| Rated Temperature:     | 105°C                                                            |
| Humidity:              | 60C, 90% RH, 500 Hours, No Load                                  |
| Dissipation Factor:    | 8% 120Hz 25C                                                     |
| Failure Rate:          | N/A                                                              |
| Resistance:            | 90 mOhms (100kHz 25C)                                            |
| Ripple Current:        | 1200 mA (rms, 100kHz 45C), 840 mA (rms, 85C), 300 mA (rms, 105C) |
| Leakage Current:       | 52.8 uA (5min 25°C)                                              |