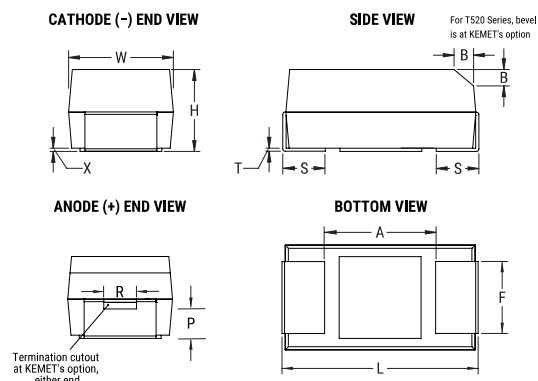


T520, Tantalum, Polymer Tantalum, 100 uF, 20%, 2.5 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 40 mOhms, 3528, Height Max = 2.1mm



### General Information

|                     |                                                |
|---------------------|------------------------------------------------|
| <b>Series:</b>      | T520                                           |
| <b>Dielectric:</b>  | Polymer Tantalum                               |
| <b>Style:</b>       | SMD Chip                                       |
| <b>Description:</b> | SMD, Polymer, Molded, Low ESR, Non-Combustible |
| <b>Features:</b>    | Low ESR                                        |
| <b>RoHS:</b>        | Yes                                            |
| <b>Termination:</b> | Tin                                            |
| <b>Shelf Life:</b>  | 52 Weeks                                       |
| <b>MSL:</b>         | 3                                              |

### Dimensions

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

### Specifications

|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| <b>Capacitance:</b>           | 100 uF                                             |
| <b>Capacitance Tolerance:</b> | 20%                                                |
| <b>Voltage DC:</b>            | 2.5 VDC (105C)                                     |
| <b>Temperature Range:</b>     | -55/+105C                                          |
| <b>Rated Temperature:</b>     | 105°C                                              |
| <b>Humidity:</b>              | 60C, 90% RH, 500 Hours, No Load                    |
| <b>Dissipation Factor:</b>    | 8.00% 120Hz 25C                                    |
| <b>Failure Rate:</b>          | N/A                                                |
| <b>Resistance:</b>            | 40 mOhms (100kHz 25C)                              |
| <b>Ripple Current:</b>        | 1800 mA (100kHz 45C), 1260 mA (85C), 450 mA (105C) |
| <b>Leakage Current:</b>       | 25 uA (5min 25C)                                   |

### Packaging Specifications

|                            |            |
|----------------------------|------------|
| <b>Weight:</b>             | 94.85 mg   |
| <b>Packaging:</b>          | T&R, 178mm |
| <b>Packaging Quantity:</b> | 2000       |