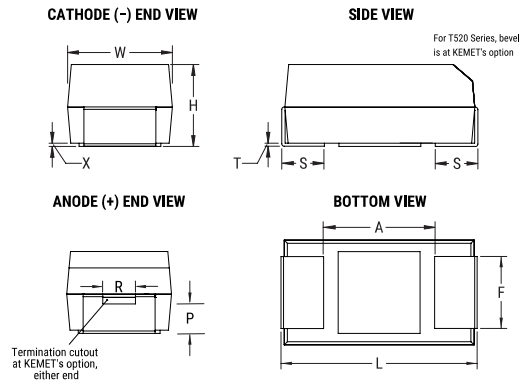


T520, Tantalum, Polymer Tantalum, 220 uF, 20%, 2.5 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 25 mOhms, 3216, Height Max = 1.8mm



| General Information |  |
|---------------------|--|
| Series:             | T520   |
| Dielectric:         | Polymer Tantalum                               |
| Style:              | SMD Chip                                       |
| Description:        | SMD, Polymer, Molded, Low ESR, Non-Combustible |
| Features:           | Low ESR  |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| AEC-Q200:           | No   |
| Component Weight:   | 53.16 mg                                       |
| Shelf Life:         | 52 Weeks                                       |
| MSL:                | 3  |

| Dimensions |                |
|------------|----------------|
| Footprint  | 3216           |
| L          | 3.2mm +/-0.2mm |
| W          | 1.6mm +/-0.2mm |
| H          | 1.6mm +/-0.2mm |
| T          | 0.13mm REF     |
| S          | 0.8mm +/-0.3mm |
| F          | 1.2mm +/-0.1mm |
| A          | 1.2mm MIN      |
| P          | 0.4mm REF      |
| R          | 0.4mm REF      |
| X          | 0.1mm +/-0.1mm |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 220 uF  |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 2.5 VDC (105C)  |
| Temperature Range:     | -55/+105°C  |
| Rated Temperature:     | 105°C   |
| Life:                  | 2000 Hrs (105C)   |
| Humidity:              | 60C, 90% RH, 500 Hours, No Load                                   |
| Dissipation Factor:    | 8% 120Hz 25C  |
| Failure Rate:          | N/A   |
| Resistance:            | 25 mOhms (100kHz 25C)   |
| Ripple Current:        | 1732 mA (rms, 100kHz 45C), 1212 mA (rms, 85C), 433 mA (rms, 105C) |
| Leakage Current:       | 55 uA (5min 25°C)   |

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging:               | T&R, 178mm |
| Packaging Quantity:      | 2000       |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.