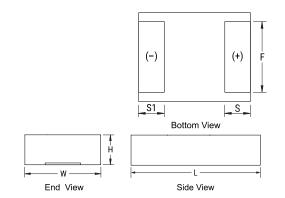
## KEMET Part Number: T528B277M002APE006



T528, Tantalum, Polymer Tantalum, Reduced Volume, 270 uF, 20%, 2 VDC, SMD, Polymer, Low ESR, NonCombustible, Face Down, 6 mOhms, 3528, Height Max = 2mm



| Dimensions |                |
|------------|----------------|
| Footprint  | 3528           |
| L          | 3.5mm +/-0.2mm |
| W          | 2.8mm +/-0.2mm |
| Н          | 2mm MAX        |
| S          | 0.8mm +/-0.2mm |
| S1         | 0.8mm +/-0.4mm |
| F          | 2.2mm +/-0.2mm |

| Packaging Specifications |            |  |
|--------------------------|------------|--|
| Weight:                  | 94.85 mg   |  |
| Packaging:               | T&R, 178mm |  |
| Packaging Quantity:      | 2000       |  |

| General Information |   |  |
|---------------------|---|--|
| Supplier:           | KEMET   |  |
| Series:             | T528  |  |
| Dielectric:         | Polymer Tantalum                                    |  |
| Style:              | SMD Chip  |  |
| Description:        | SMD, Polymer, Low ESR,<br>NonCombustible, Face Down |  |
| Features:           | Face Down, Low ESR                                  |  |
| RoHS:               | Yes   |  |
| Termination:        | Nickel Palladium Gold                               |  |
| Shelf Life:         | 52 Weeks  |  |
| MSL:                | 3   |  |

| Specifications         |   |  |
|------------------------|---|--|
| Capacitance:           | 270 uF  |  |
| Capacitance Tolerance: | 20%   |  |
| Voltage DC:            | 2 VDC (105C)  |  |
| Temperature Range:     | -55/+105C   |  |
| Rated Temperature:     | 105C  |  |
| Dissipation Factor:    | 8.00% 120Hz 25C   |  |
| Failure Rate:          | N/A   |  |
| Resistance:            | 6 mOhms (100kHz 25C)  |  |
| Ripple Current:        | 3900 mAmps (100kHz 45C),<br>2730 mAmps (85C), 975 mAmps<br>(105C) |  |
| Leakage Current:       | 54 uA (5min 25C)  |  |

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