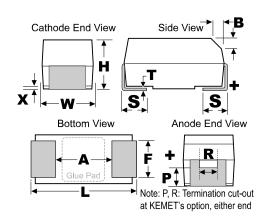
## KEMET Part Number: T525B476M006ATE070



Tantalum, Polymer Tantalum, T525, 47 uF, 20%, 6.3 V, 3528, SMD, Polymer, Molded, Low ESR, Non-Combustible, 70 mOhms, 2.1mm



| Dimensions |                 |  |
|------------|-----------------|--|
| Footprint  | 3528            |  |
| L          | 3.5mm +/-0.2mm  |  |
| W          | 2.8mm +/-0.2mm  |  |
| Н          | 1.9mm +/-0.2mm  |  |
| Т          | 0.13mm REF      |  |
| S          | 0.8mm +/-0.3mm  |  |
| F          | 2.2mm +/-0.1mm  |  |
| Α          | 1.1mm MIN       |  |
| В          | 0.4mm +/-0.15mm |  |
| Р          | 0.5mm REF       |  |
| R          | 1mm REF         |  |
| Х          | 0.1mm +/-0.1mm  |  |

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

| General Information |   |  |
|---------------------|---|--|
| Dielectric:         | Polymer Tantalum                                  |  |
| Style:              | SMD Chip  |  |
| Series:             | T525  |  |
| Description:        | SMD, Polymer, Molded, Low<br>ESR, Non-Combustible |  |
| Features:           | Low ESR   |  |
| RoHS:               | Yes   |  |
| Termination:        | Tin   |  |

| Specifications         |  |
|------------------------|--|
| Capacitance:           | 47 uF  |
| Capacitance Tolerance: | 20%  |
| Voltage DC:            | 6.3 VDC (105C), 4.22 VDC<br>(125C)                               |
| Temperature Range:     | -55/+125C  |
| Dissipation Factor:    | 8% 120Hz 25C   |
| Failure Rate:          | N/A  |
| Resistance:            | 70 mOhms (100kHz 25C)  |
| Current:               | 1300 mAmps (100kHz 45C),<br>910 mAmps (85C), 325 mAmps<br>(125C) |
| Leakage:               | 29.6 uAmps (5min 5C)   |

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