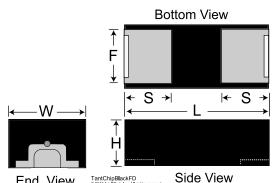
## KEMET Part Number: T527I107M006ATE100

(T527I107M006ASE100, T527I107M6R3ATE100)



Tantalum, Polymer Tantalum, Reduced Volume, T527, 100 uF, 20%, 6.3 V, 3216, SMD, Polymer, Molded, Face Down Terminals, 100 mOhms, 1mm



CantChipBlackFD © 2013 IntelliData Inc. All rig End View

| Dimensions |                |  |
|------------|----------------|--|
| Footprint  | 3216           |  |
| L          | 3.2mm +/-0.2mm |  |
| W          | 1.6mm +/-0.2mm |  |
| Н          | 0.9mm +/-0.1mm |  |
| S          | 0.8mm +/-0.2mm |  |
| F          | 1.2mm +/-0.1mm |  |

| Packaging Specifications |            |  |
|--------------------------|------------|--|
| Weight:                  | 70.12 mg   |  |
| Packaging:               | T&R, 178mm |  |
| Packaging Quantity:      | 3000       |  |

| General Information |  |  |
|---------------------|--|--|
| Dielectric:         | Polymer Tantalum                             |  |
| Style:              | SMD Chip                                     |  |
| Series:             | T527   |  |
| Description:        | SMD, Polymer, Molded, Face<br>Down Terminals |  |
| Features:           | Face Down, Low Profile, Low<br>ESR           |  |
| RoHS:               | Yes  |  |
| Termination:        | Tin  |  |

| Specifications         |   |  |
|------------------------|---|--|
| Capacitance:           | 100 uF  |  |
| Capacitance Tolerance: | 20%   |  |
| Voltage DC:            | 6.3 VDC (85C), 5.04 VDC (105C)                                    |  |
| Temperature Range:     | -55/+105C   |  |
| Dissipation Factor:    | 8% 120Hz 25C  |  |
| Failure Rate:          | N/A   |  |
| Resistance:            | 100 mOhms (100kHz 25C)  |  |
| Current:               | 775 mAmps (100kHz 45C),<br>697.5 mAmps (85C), 310<br>mAmps (105C) |  |
| Leakage:               | 63 uAmps (5min 5C)  |  |

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