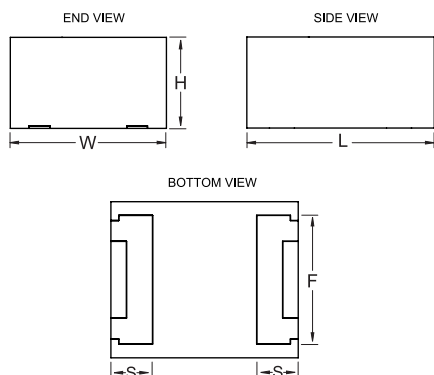


# KEMET Part Number: T523W107M016APE100



T523, Tantalum, Polymer Tantalum, Reduced Volume, 100 uF, 20%, 16 VDC, SMD, Polymer, Molded, Face Down Terminals, 100 mOhms, 7343, Height Max = 1.5mm



| General Information |   |
|---------------------|---|
| Supplier:           | KEMET                                     |
| Series:             | T523                                      |
| Dielectric:         | Polymer Tantalum                          |
| Style:              | SMD Chip                                  |
| Description:        | SMD, Polymer, Molded, Face Down Terminals |
| Features:           | Face Down                                 |
| RoHS:               | Yes                                       |
| Termination:        | Nickel Palladium Gold                     |
| Shelf Life:         | 52 Weeks                                  |
| MSL:                | 3   |

| Dimensions |                |
|------------|----------------|
| Footprint  | 7343           |
| L          | 7.3mm +/-0.3mm |
| W          | 4.3mm +/-0.3mm |
| H          | 1.5mm MAX      |
| S          | 1.3mm +/-0.3mm |
| F          | 2.4mm +/-0.1mm |

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging:               | T&R, 178mm |
| Packaging Quantity:      | 1000       |

| Specifications         |  |
|------------------------|--|
| Capacitance:           | 100 uF   |
| Capacitance Tolerance: | 20%  |
| Voltage DC:            | 16 VDC (105C)  |
| Temperature Range:     | -55/+105C  |
| Rated Temperature:     | 105C   |
| Dissipation Factor:    | 10.00% 120Hz 25C                                     |
| Failure Rate:          | N/A  |
| Resistance:            | 100 mOhms (100kHz 25C)                               |
| Ripple Current:        | 1988 mA (100kHz 45C), 1391.6 mA (85C), 497 mA (105C) |
| Leakage Current:       | 160 uA (5min 25C)                                    |

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