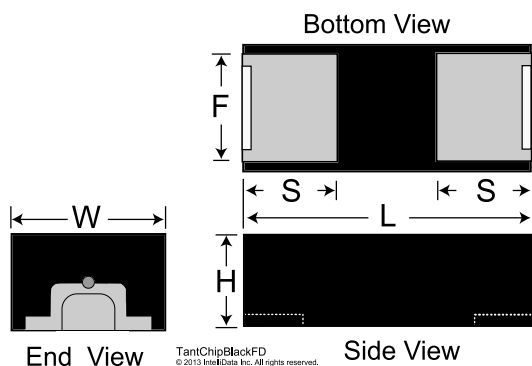


T527, Tantalum, Polymer Tantalum, Reduced Volume, 47 uF, 20%, 6.3 VDC, SMD, Polymer, Molded, Face Down Terminals, 200 mOhms, 3216, Height Max = 1mm



### General Information

|                     |                                           |
|---------------------|-------------------------------------------|
| <b>Supplier:</b>    | KEMET                                     |
| <b>Series:</b>      | T527                                      |
| <b>Dielectric:</b>  | Polymer Tantalum                          |
| <b>Style:</b>       | SMD Chip                                  |
| <b>Description:</b> | SMD, Polymer, Molded, Face Down Terminals |
| <b>Features:</b>    | Face Down, Low Profile, Low ESR           |
| <b>RoHS:</b>        | Yes                                       |
| <b>Termination:</b> | Tin                                       |
| <b>Shelf Life:</b>  | 52 Weeks                                  |
| <b>MSL:</b>         | 3                                         |

### Dimensions

|                  |                |
|------------------|----------------|
| <b>Footprint</b> | 3216           |
| <b>L</b>         | 3.2mm +/-0.2mm |
| <b>W</b>         | 1.6mm +/-0.2mm |
| <b>H</b>         | 0.9mm +/-0.1mm |
| <b>S</b>         | 0.8mm +/-0.2mm |
| <b>F</b>         | 1.2mm +/-0.1mm |

### Packaging Specifications

|                            |            |
|----------------------------|------------|
| <b>Weight:</b>             | 70.12 mg   |
| <b>Packaging:</b>          | T&R, 178mm |
| <b>Packaging Quantity:</b> | 3000       |

### Specifications

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b>Capacitance:</b>           | 47 uF                                                |
| <b>Capacitance Tolerance:</b> | 20%                                                  |
| <b>Voltage DC:</b>            | 6.3 VDC (85C), 5.04 VDC (105C)                       |
| <b>Temperature Range:</b>     | -55/+105C                                            |
| <b>Rated Temperature:</b>     | 85°C                                                 |
| <b>Humidity:</b>              | 60C, 90% RH, 500 Hours, No Load                      |
| <b>Dissipation Factor:</b>    | 6.00% 120Hz 25C                                      |
| <b>Failure Rate:</b>          | N/A                                                  |
| <b>Resistance:</b>            | 200 mOhms (100kHz 25C)                               |
| <b>Ripple Current:</b>        | 548 mA (100kHz 45C), 493.2 mA (85C), 219.2 mA (105C) |
| <b>Leakage Current:</b>       | 29.6 uA (5min 25C)                                   |