

T494, Tantalum, MnO2 Tantalum, 4.7 uF, 10%, 16 VDC, SMD, MnO2, Molded, Low ESR, 1.5 Ohms, 3528, Height Max = 2.1mm



### General Information

|                     |                            |
|---------------------|----------------------------|
| <b>Supplier:</b>    | KEMET                      |
| <b>Series:</b>      | T494                       |
| <b>Dielectric:</b>  | MnO2 Tantalum              |
| <b>Style:</b>       | SMD Chip                   |
| <b>Description:</b> | SMD, MnO2, Molded, Low ESR |
| <b>Features:</b>    | Low ESR                    |
| <b>RoHS:</b>        | Yes                        |
| <b>Termination:</b> | Tin                        |
| <b>Shelf Life:</b>  | 156 Weeks                  |
| <b>MSL:</b>         | 1                          |

### Dimensions

|                  |                   |
|------------------|-------------------|
| <b>Footprint</b> | 3528              |
| <b>L</b>         | 3.5mm +/-0.2mm    |
| <b>W</b>         | 2.8mm +/-0.2mm    |
| <b>H</b>         | 1.9mm +/-0.2mm    |
| <b>T</b>         | 0.13mm REF        |
| <b>S</b>         | 0.8mm +0.2/-0.3mm |
| <b>F</b>         | 2.2mm +/-0.1mm    |
| <b>A</b>         | 1.9mm MIN         |
| <b>B</b>         | 0.4mm +/-0.15mm   |
| <b>E</b>         | 2.2mm REF         |
| <b>G</b>         | 1.8mm REF         |
| <b>P</b>         | 0.5mm REF         |
| <b>R</b>         | 1mm REF           |
| <b>X</b>         | 0.1mm +/-0.1mm    |

### Specifications

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| <b>Capacitance:</b>           | 4.7 uF                                                          |
| <b>Capacitance Tolerance:</b> | 10%                                                             |
| <b>Voltage DC:</b>            | 16 VDC (85C), 10.72 VDC (125C)                                  |
| <b>Temperature Range:</b>     | -55/+125C                                                       |
| <b>Rated Temperature:</b>     | 85°C                                                            |
| <b>Dissipation Factor:</b>    | 6.00% 120Hz 20C                                                 |
| <b>Failure Rate:</b>          | N/A                                                             |
| <b>Resistance:</b>            | 1.5 Ohms (100kHz)                                               |
| <b>Ripple Current:</b>        | 238 mAmps (100kHz 25C),<br>214.2 mAmps (85C), 95.2 mAmps (125C) |
| <b>Leakage Current:</b>       | 0.8 uA (5min 20C)                                               |

### Packaging Specifications

|                            |            |
|----------------------------|------------|
| <b>Weight:</b>             | 107.45 mg  |
| <b>Packaging:</b>          | T&R, 178mm |
| <b>Packaging Quantity:</b> | 2000       |