

B45196E, Tantalum, MnO2 Tantalum, 1 uF, 20%, 50 V, SMD, Molded, 4.8 Ohms, 6032, Height Max = 2.8mm



| General Information |               |
|---------------------|---------------|
| Supplier:           | KEMET         |
| Series:             | B45196E       |
| Dielectric:         | MnO2 Tantalum |
| Style:              | SMD Chip      |
| Description:        | SMD, Molded   |
| Features:           | Automotive    |
| RoHS:               | Yes           |
| Termination:        | Tin           |
| Notes:              | Obsolete      |

| Dimensions |                |
|------------|----------------|
| Footprint  | 6032           |
| L          | 6mm +/-0.3mm   |
| W          | 3.2mm +/-0.3mm |
| H          | 2.5mm +/-0.3mm |
| S          | 1.3mm +/-0.3mm |
| F          | 2.2mm +/-0.1mm |
| K          | 1.8mm TYP      |

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging:               | T&R, 178mm |
| Packaging Quantity:      | 750        |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 1 uF  |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 50 VDC (85C), 33.5 VDC (125C)                           |
| Temperature Range:     | -55/+125C   |
| Rated Temperature:     | 85C   |
| Dissipation Factor:    | 4%  |
| Failure Rate:          | N/A   |
| Resistance:            | 4.8 Ohms (100kHz)                                       |
| Current:               | 151.4 mAmps (25C), 136.3 mAmps (85C), 60.6 mAmps (125C) |
| Leakage Current:       | 0.5 uA  |