

**KEMET Part Number: T491A685M010AT**  
(B45196H2685M109, T491A685M010AS)

Tantalum, MnO2 Tantalum, KEMET, T491, 6.8 uF, 20%, 10 V, 3216, SMD, MnO2, Molded, 4 Ohms, 1.8mm



| General Information |                   |
|---------------------|-------------------|
| Dielectric:         | MnO2 Tantalum     |
| Style:              | SMD Chip          |
| Supplier:           | KEMET             |
| Series:             | T491              |
| Description:        | SMD, MnO2, Molded |
| RoHS:               | Yes               |
| Termination:        | Tin               |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 6.8 uF  |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 10 VDC (85C), 6.7 VDC (125C)                          |
| Temperature Range:     | -55/+125C   |
| Dissipation Factor:    | 6%  |
| Failure Rate:          | N/A   |
| Resistance:            | 4 Ohms (100kHz)                                       |
| Current:               | 137 mAmps (25C), 123.3 mAmps (85C), 54.8 mAmps (125C) |
| Leakage:               | 0.7 uAmps   |

| Dimensions |                   |
|------------|-------------------|
| Footprint  | 3216              |
| L          | 3.2mm +/-0.2mm    |
| W          | 1.6mm +/-0.2mm    |
| H          | 1.6mm +/-0.2mm    |
| T          | 0.13mm REF        |
| S          | 0.8mm +0.2/-0.3mm |
| F          | 1.2mm +/-0.1mm    |
| A          | 1.2mm MIN         |
| B          | 0.4mm +/-0.15mm   |
| E          | 1.3mm REF         |
| G          | 1.1mm REF         |
| P          | 0.4mm REF         |
| R          | 0.4mm REF         |
| X          | 0.1mm +/-0.1mm    |

| Packaging Specifications |            |
|--------------------------|------------|
| Weight:                  | 58.6 mg    |
| Packaging:               | T&R, 178mm |
| Packaging Quantity:      | 2000       |