

KEMET Part Number: T491A105M020AT
(B45196E4105M109)

Tantalum, MnO₂ Tantalum, T491, 1 uF, 20%, 20 V, 3216, SMD, MnO₂, Molded, 9 Ohms, Height Max = 1.8mm



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 |

General Information

| | |
|--------------|--------------------------------|
| Dielectric: | MnO ₂ Tantalum |
| Style: | SMD Chip |
| Series: | T491 |
| Description: | SMD, MnO ₂ , Molded |
| RoHS: | Yes |
| Termination: | Tin |

Specifications

| | |
|------------------------|--|
| Capacitance: | 1 uF |
| Capacitance Tolerance: | 20% |
| Voltage DC: | 20 VDC (85C), 13.4 VDC (125C) |
| Temperature Range: | -55/+125C |
| Dissipation Factor: | 4% 120Hz 20C |
| Failure Rate: | N/A |
| Resistance: | 9 Ohms (100kHz) |
| Current: | 91 mAmps (100kHz 25C), 81.9 mAmps (85C), 36.4 mAmps (125C) |
| Leakage Current: | 0.5 uAmps (5min 20C) |