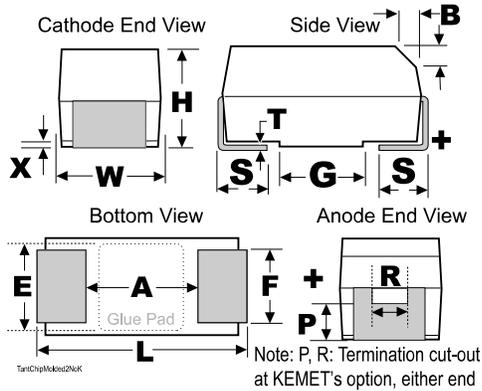


**KEMET Part Number: T491A685K016AT**  
(B45196H3685K109)

Tantalum, MnO2 Tantalum, T491, 6.8 uF, 10%, 16 V, 3216, SMD, MnO2, Molded, 3.5 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**

<b>Weight:</b>	58.6 mg
<b>Packaging:</b>	T&R, 178mm
<b>Packaging Quantity:</b>	2000

**General Information**

<b>Dielectric:</b>	MnO2 Tantalum
<b>Style:</b>	SMD Chip
<b>Series:</b>	T491
<b>Description:</b>	SMD, MnO2, Molded
<b>RoHS:</b>	Yes
<b>Termination:</b>	Tin

**Specifications**

<b>Capacitance:</b>	6.8 uF
<b>Capacitance Tolerance:</b>	10%
<b>Voltage DC:</b>	16 VDC (85C), 10.72 VDC (125C)
<b>Temperature Range:</b>	-55/+125C
<b>Dissipation Factor:</b>	6% 120Hz 20C
<b>Failure Rate:</b>	N/A
<b>Resistance:</b>	3.5 Ohms (100kHz)
<b>Current:</b>	146 mAmps (100kHz 25C), 131.4 mAmps (85C), 58.4 mAmps (125C)
<b>Leakage Current:</b>	1.1 uAmps (5min 20C)