

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

Capacitor, Tantalum, SMD, MnO2, Molded, 6.8 uF, 3216, +/-10% Tol, -55/+125C, 16 VDC (85C)



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

Packaging Specifications	
Package Kind:	T&R
Package Size:	7 in/180 mm
Package Quantity:	2000

General Information	
Supplier:	KEMET
Application:	General Purpose
Part Type Description:	SMD, MnO2, Molded
Construction:	Standard Chip-MnO2
Body Type:	SMD Chip
Footprint:	3216
Weight:	58.6 mg
RoHS:	Yes

Specifications	
Capacitance:	6.8 uF
Tolerance:	+/-10%
Voltage:	16 VDC (85C)
Voltage:	10.72 VDC (125C)
Temperature Range:	-55/+125C
Current/Ripple Current:	146 mAmps (25C)
Current/Ripple Current:	131.4 mAmps (85C)
Current/Ripple Current:	58.4 mAmps (125C)
Resistance/ESR:	3.5 Ohms (100kHz)
Failure Rate:	N/A
Leakage Current:	1.1 uA
Dissipation Factor:	6%