

**KEMET Part Number: T491B686K006AT**  
(B45196H1686K209)

Capacitor, Tantalum, SMD, MnO<sub>2</sub>, Molded, 68 uF, 3528, +/-10% Tol, -55/+125C, 6.3 VDC (85C)



General Information	
Supplier:	KEMET
Application:	General Purpose
Part Type Description:	SMD, MnO <sub>2</sub> , Molded
Construction:	Standard Chip-MnO <sub>2</sub>
Body Type:	SMD Chip
Footprint:	3528
Weight:	107.45 mg
RoHS:	Yes

Dimensions (mm)		
Symbol	Dimension	Tolerance
L	3.5	+/-0.2
W	2.8	+/-0.2
H	1.9	+/-0.2
F	2.2	+/-0.1
S	0.8	+0.2/-0.3
B	0.4	+/-0.15
X	0.1	+/-0.1
P	0.5	REF
R	1	REF
T	0.13	REF
A	1.9	MIN
G	1.8	REF
E	2.2	REF

Specifications	
Capacitance:	68 uF
Tolerance:	+/-10%
Voltage:	6.3 VDC (85C)
Voltage:	4.22 VDC (125C)
Temperature Range:	-55/+125C
Current/Ripple Current:	307 mAmps (25C)
Current/Ripple Current:	276.3 mAmps (85C)
Current/Ripple Current:	122.8 mAmps (125C)
Resistance/ESR:	0.9 Ohms (100kHz)
Failure Rate:	N/A
Leakage Current:	4.3 uA
Dissipation Factor:	8%

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

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