

**KEMET Part Number: T491C685K020AT**  
(B45196E4685K309)

Capacitor, Tantalum, SMD, MnO<sub>2</sub>, Molded, 6.8 uF, 6032, +/-10% Tol, -55/+125C, 20 VDC (85C)



#### Dimensions (mm)

Symbol	Dimension	Tolerance
L	6	+/-0.3
W	3.2	+/-0.3
H	2.5	+/-0.3
F	2.2	+/-0.1
S	1.3	+/-0.3
B	0.5	+/-0.15
X	0.1	+/-0.1
P	0.9	REF
R	1	REF
T	0.13	REF
A	2.9	MIN
G	2.8	REF
E	2.4	REF

#### Packaging Specifications

Package Kind:	T&R
Package Size:	7 in/180 mm
Package Quantity:	500

#### 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:	6032
Weight:	224.48 mg
RoHS:	Yes

#### Specifications

Capacitance:	6.8 uF
Tolerance:	+/-10%
Voltage:	20 VDC (85C)
Voltage:	13.4 VDC (125C)
Temperature Range:	-55/+125C
Current/Ripple Current:	241 mAmps (25C)
Current/Ripple Current:	216.9 mAmps (85C)
Current/Ripple Current:	96.4 mAmps (125C)
Resistance/ESR:	1.9 Ohms (100kHz)
Failure Rate:	N/A
Leakage Current:	1.4 uA
Dissipation Factor:	6%