

## T489C685K025ATA600

T489 Auto, Tantalum, MnO<sub>2</sub> Tantalum, Commercial Grade, 6.8 uF, 10%, 25 VDC, SMD, MnO<sub>2</sub>, Molded, Low Leakage, Auto, AEC-Q200, 600 mOhms, 6032, 2.8 mm, 1.3 mm



Click [here](#) for the 3D model.

### General Information

Series	T489 Auto
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Molded, Low Leakage, Auto, AEC-Q200
Features	Low Leakage, Automotive
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	224.475 mg

### Dimensions

L	6mm +/-0.3mm
W	3.2mm +/-0.3mm
H	2.5mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.2mm +/-0.1mm
A	3.1mm MIN
B	0.5mm +/-0.15mm
E	2.4mm REF
G	2.8mm REF
P	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

### Specifications

Capacitance	6.8 uF
Tolerance	10%
Voltage DC	25 VDC (85C), 16.75 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	600 mOhms (100kHz 25C)
Ripple Current	428 mA (rms, 100kHz 25C)
Leakage Current	1.3 uA (5min 25°C)

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