

## T494B685M006ATAUTO

T494 Auto, Tantalum, MnO<sub>2</sub> Tantalum, Commercial Grade, 6.8 uF, 20%, 6.3 VDC, SMD, MnO<sub>2</sub>, Molded, Low ESR, Auto, AEC-Q200, 1.2 Ohms, 2.1 mm, 1411 / 3528



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

### General Information

Series	T494 Auto
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Molded, Low ESR, Auto, AEC-Q200
Features	Low ESR, Automotive
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
Typical Component Weight	107.45 mg
MSL	1

### Dimensions

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

### Specifications

Capacitance	6.8 uF
Tolerance	20%
Voltage DC	6.3 VDC (85C), 4.22 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	1.2 Ohms (100kHz 25C)
Ripple Current	266 mA (rms, 100kHz 25C), 239.4 mA (rms, 85C), 106.4 mA (rms, 125C)
Leakage Current	0.5 uA (5min 25°C)

### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

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