

T498B685K016ATE1K8

T498, Tantalum, MnO₂ Tantalum, High Temperature, 6.8 uF, 10%, 16 VDC, SMD, MnO₂, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 1.8 Ohms, 3528, 2.1 mm, 0.8 mm



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General Information

Series	T498
Dielectric	MnO ₂ Tantalum
Style	SMD Chip
Description	SMD, MnO ₂ , Molded, Hi-Temp, 150C, Auto, AEC-Q200
Features	Automotive, 150C
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	107.45 mg
Shelf Life	156 Weeks
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 +/-0.3mm
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

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

Specifications

Capacitance	6.8 uF
Tolerance	10%
Voltage DC	16 VDC (85C), 12.75 VDC (125C), 10.72 VDC (150C)
Temperature Range	-55/+150°C
Rated Temperature	85°C
Dissipation Factor	4.5% 120Hz 25C
Failure Rate	N/A
ESR	1800 mOhms (100kHz 25C)
Ripple Current	217 mA (rms, 100kHz 25C), 195.3 mA (rms, 85C), 65.1 mA (rms, 150C)
Leakage Current	1.1 uA (5min 25°C)

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