

T498B685M010ATE1K8

T498, Tantalum, MnO₂ Tantalum, High Temperature, 6.8 uF, 20%, 10 VDC, SMD, MnO₂, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 1.8 Ohms, 3528, Height Max = 2.1mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



Termination cutout at KEMET's option, either end

BOTTOM VIEW



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

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
Component Weight	107.45 mg
Shelf Life	156 Weeks
MSL	1

Specifications

Capacitance	6.8 uF
Capacitance Tolerance	20%
Voltage DC	10 VDC (85C), 8 VDC (125C), 6.7 VDC (150C)
Temperature Range	-55/+150°C
Rated Temperature	85°C
Dissipation Factor	4.5% 120Hz 25C
Failure Rate	N/A
Resistance	1800 mOhms (100kHz 25C)
Ripple Current	217 mA (rms, 100kHz 25C), 195.3 mA (rms, 85C), 65.1 mA (rms, 150C)
Leakage Current	0.7 uA (5min 25°C)

Dimensions

Footprint	3528
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

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

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