

T498A684M025ATE6K5

T498, Tantalum, MnO₂ Tantalum, High Temperature, 0.68 uF, 20%, 25 VDC, SMD, MnO₂, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 6.5 Ohms, 3216, 1.8 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	58.6 mg
Shelf Life	156 Weeks
MSL	1

Dimensions

L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
H	1.6mm +/-0.2mm
T	0.13mm REF
S	0.8mm +/-0.3mm
F	1.2mm +/-0.1mm
A	1.2mm MIN
B	0.4mm +/-0.15mm
E	1.3mm REF
G	1.1mm REF
P	0.4mm REF
R	0.4mm REF
X	0.1mm +/-0.1mm REF

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

Specifications

Capacitance	0.68 uF
Tolerance	20%
Voltage DC	25 VDC (85C), 20 VDC (125C), 16.75 VDC (150C)
Temperature Range	-55/+150°C
Rated Temperature	85°C
Dissipation Factor	3% 120Hz 25C
Failure Rate	N/A
ESR	6500 mOhms (100kHz 25C)
Ripple Current	107 mA (rms, 100kHz 25C), 96.3 mA (rms, 85C), 32.1 mA (rms, 150C)
Leakage Current	0.5 uA (5min 25°C)

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