

T498D476K006ATE800

T498, Tantalum, MnO₂ Tantalum, High Temperature, 47 uF, 10%, 6.3 VDC, SMD, MnO₂, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 800 mOhms, 7343, 3.1 mm, 1.3 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	446.84 mg
Shelf Life	156 Weeks
MSL	1

Specifications

Capacitance	47 uF
Tolerance	10%
Voltage DC	6.3 VDC (85C), 5.02 VDC (125C), 4.22 VDC (150C)
Temperature Range	-55/+150°C
Rated Temperature	85°C
Dissipation Factor	4.5% 120Hz 25C
Failure Rate	N/A
ESR	800 mOhms (100kHz 25C)
Ripple Current	433 mA (rms, 100kHz 25C), 389.7 mA (rms, 85C), 129.9 mA (rms, 150C)
Leakage Current	3 uA (5min 25°C)

Dimensions

L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	2.8mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm
A	3.8mm MIN
B	0.5mm +/-0.15mm
E	3.5mm REF
G	3.5mm REF
P	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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