

T494D685K050AT

T494, Tantalum, MnO₂ Tantalum, Commercial Grade, 6.8 uF, 10%, 50 VDC, SMD, MnO₂, Molded, Low ESR, 700 mOhms, 3.1 mm, 2817 / 7343



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General Information

Series	T494
Dielectric	MnO ₂ Tantalum
Style	SMD Chip
Description	SMD, MnO ₂ , Molded, Low ESR
Features	Low ESR
RoHS	Yes
Termination	Tin
Typical Component Weight	446.84 mg
Shelf Life	156 Weeks
MSL	1

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	3.6mm 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

Specifications

Capacitance	6.8 uF
Tolerance	10%
Voltage DC	50 VDC (85C), 33.5 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	0.7 Ohms (100kHz 25C)
Ripple Current	463 mA (rms, 100kHz 25C), 416.7 mA (rms, 85C), 185.2 mA (rms, 125C)
Leakage Current	3.4 uA (5min 25°C)

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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