

## T495C105K050ATA4K8

T495 Auto, Tantalum, MnO<sub>2</sub> Tantalum, Commercial Grade, 1 uF, 10%, 50 VDC, SMD, MnO<sub>2</sub>, Molded, Low ESR, Auto, AEC-Q200, 4.8 Ohms, 6032, 2.8 mm, 1.3 mm



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

### General Information

Series	T495 Auto
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Molded, Low ESR, Auto, AEC-Q200
Features	Low ESR, Automotive
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	224.48 mg

### Specifications

Capacitance	1 uF
Tolerance	10%
Voltage DC	50 VDC (85C), 33.5 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	4% 120Hz 25C
Failure Rate	N/A
ESR	4800 mOhms (100kHz 25C)
Ripple Current	151 mA (rms, 100kHz 25C), 135.9 mA (rms, 85C), 60.4 mA (rms, 125C)
Leakage Current	0.5 uA (5min 25°C)

### Dimensions

L	6mm +/-0.3mm
W	3.2mm +/-0.3mm
H	2.5mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.2mm +/-0.1mm
A	2.9mm MIN
B	0.5mm +/-0.15mm
E	2.4mm REF
G	2.8mm 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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