

## T494A105K016ATAUTO

T494 Auto, Tantalum, MnO<sub>2</sub> Tantalum, Commercial Grade, 1 uF, 10%, 16 VDC, SMD, MnO<sub>2</sub>, Molded, Low ESR, Auto, AEC-Q200, 6 Ohms, 3216, 1.8 mm, 0.8 mm



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

### General Information

Series	T494 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	58.6 mg
MSL	1

### Specifications

Capacitance	1 uF
Tolerance	10%
Voltage DC	16 VDC (85C), 10.72 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	4% 120Hz 25C
Failure Rate	N/A
ESR	6 Ohms (100kHz 25C)
Ripple Current	112 mA (rms, 100kHz 25C), 100.8 mA (rms, 85C), 44.8 mA (rms, 125C)
Leakage Current	0.5 uA (5min 25°C)

### Dimensions

L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
H	1.6mm +/-0.2mm
T	0.13mm REF
S	0.8mm +0.2/-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

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