

## T499B475K010ATE3K5

T499, Tantalum, MnO<sub>2</sub> Tantalum, High Temperature, 4.7 uF, 10%, 10 VDC, SMD, MnO<sub>2</sub>, Molded, Hi-Temp, 175C, Auto, AEC-Q200, N/A, 3.5 Ohms, 3528, 2.1 mm, 0.8 mm



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

### General Information

Series	T499
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Molded, Hi-Temp, 175C, Auto, AEC-Q200
Features	Automotive, 175C
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	107.45 mg
Shelf Life	156 Weeks
MSL	1

### Specifications

Capacitance	4.7 uF
Tolerance	10%
Voltage DC	10 VDC (85C), 7.78 VDC (125C), 5 VDC (175C)
Temperature Range	-55/+175°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	3500 mOhms (100kHz 25C)
Ripple Current	156 mA (rms, 100kHz 25C), 140.4 mA (rms, 85C), 31.2 mA (rms, 175C)
Leakage Current	0.5 uA (5min 25°C)

### Dimensions

L	3.5mm +/-0.2mm
W	2.8mm +/-0.2mm
H	1.9mm +/-0.2mm
T	0.13mm REF
S	0.8mm +/-0.3mm
F	2.2mm +/-0.1mm
A	1.9mm MIN
B	0.4mm +/-0.15mm
E	2.2mm REF
G	1.8mm REF
P	0.5mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

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