

## T499D475M050ATE900

T499, Tantalum, MnO<sub>2</sub> Tantalum, High Temperature, 4.7 uF, 20%, 50 VDC, SMD, MnO<sub>2</sub>, Molded, Hi-Temp, 175C, Auto, AEC-Q200, N/A, 900 mOhms, 7343, Height Max = 3.1mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



Termination cutout at KEMET's option, either end

BOTTOM VIEW



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
Component Weight	446.84 mg
Shelf Life	156 Weeks
MSL	1

### Specifications

Capacitance	4.7 uF
Capacitance Tolerance	20%
Voltage DC	50 VDC (85C), 38.89 VDC (125C), 25 VDC (175C)
Temperature Range	-55/+175°C
Rated Temperature	85°C
Dissipation Factor	4.5% 120Hz 25C
Failure Rate	N/A
Resistance	900 mOhms (100kHz 25C)
Ripple Current	408 mA (rms, 100kHz 25C), 367.2 mA (rms, 85C), 81.6 mA (rms, 175C)
Leakage Current	2.4 uA (5min 25°C)

### Dimensions

Footprint	7343
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

### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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