

## T591D157M010ATE045

T591, Tantalum, Polymer Tantalum, 150 uF, 20%, 10 VDC, SMD, Polymer, Molded, Low ESR, 45 mOhms, 7343, Height Max = 3.1mm

## CATHODE (-) END VIEW SIDE VIEW ANODE (+) END VIEW BOTTOM VIEW Termination cutout at KEMET's option, either end

Dimensions	,
Footprint	7343
L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
Н	2.8mm +/-0.3mm
Т	0.13mm REF
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm
A	3.8mm MIN
В	0.5mm +/-0.15mm
Р	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm

Packaging Specifications	
Packaging	T&R, 178mm
Packaging Quantity	500

General Information	
Series	T591
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low ESR
Features	Automotive
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200 (Limited 500 Hrs 85C/85% RH/Ur)
AEC-Q200	Subject to PPAP/PSW and change control
Component Weight	434.8 mg
Shelf Life	52 Weeks
MSL	3

Specifications	
Capacitance	150 uF
Capacitance Tolerance	20%
Voltage DC	10 VDC (105C), 6 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	105°C
Humidity	85C, 85% RH, load, 500 Hours
Dissipation Factor	10% 120Hz 25C
Failure Rate	N/A
Resistance	45 mOhms (100kHz 25C)
Ripple Current	3160 mA (rms, 100kHz 45C), 2212 mA (rms, 105C), 790 mA (rms, 125C)
Leakage Current	150 uA (5min 25°C)

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