

T599D477M2R5ATE025

T599, Tantalum, Polymer Tantalum, 470 uF, 20%, 2.5 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 25 mOhms, 7343, 3.1mm

CATHODE (-) END VIEW SIDE VIEW Termination cutout at KEMET's option, either end ANODE (+) END VIEW BOTTOM VIEW Glue pad shape/design at KEMET's option KEMET's option Click here for the 3D model.

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
Α	3.8mm MIN
В	0.5mm +/-0.15mm
P	0.9mm REF
R	1mm REF
Χ	0.1mm +/-0.1mm

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

General Information	
Series	T599
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low ESR, AEC- Q200
Features	Automotive
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	434.83 mg
Shelf Life	52 Weeks
MSL	3

Specifications	
Capacitance	470 uF
Capacitance Tolerance	20%
Voltage DC	2.5 VDC (105C), 1.68 VDC (150C)
Temperature Range	-55/+150°C
Rated Temperature	105°C
Humidity	85C, 85% RH, load, 1000 Hours
Dissipation Factor	10% 120Hz 25C
Failure Rate	N/A
Resistance	25 mOhms (100kHz 25C)
Ripple Current	4240 mA (rms, 100kHz 45C), 2968 mA (rms, 125C), 1060 mA (rms, 150C)
Leakage Current	117.5 uA (5min 25°C)

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