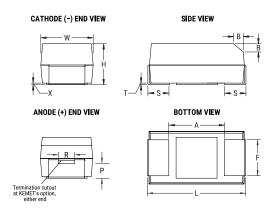
KEMET Part Number: T591B155K050ATE200



T591, Tantalum, Polymer Tantalum, 1.5 uF, 10%, 50 VDC, SMD, Polymer, Molded, Low ESR, 200 mOhms, 3528, Height Max = 2.1mm



Dimensions		
Footprint	3528	
L	3.5mm +/-0.2mm	
W	2.8mm +/-0.2mm	
Н	1.9mm +/-0.2mm	
Т	0.13mm REF	
S	0.8mm +/-0.3mm	
F	2.2mm +/-0.1mm	
Α	1.1mm MIN	
В	0.4mm +/-0.15mm	
Р	0.5mm REF	
R	1mm REF	
X	0.1mm +/-0.1mm	

Packaging Specifications		
Weight:	94.85 mg	
Packaging:	T&R, 178mm	
Packaging Quantity:	2000	

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:	No
Shelf Life:	52 Weeks
MSL:	3

Specifications		
Capacitance:	1.5 uF	
Capacitance Tolerance:	10%	
Voltage DC:	50 VDC (105C), 33.34 VDC (125C)	
Temperature Range:	-55/+125°C	
Rated Temperature:	105°C	
Humidity:	85C, 85% RH, load, 500 Hours	
Dissipation Factor:	8% 120Hz 25C	
Failure Rate:	N/A	
Resistance:	200 mOhms (100kHz 25C)	
Ripple Current:	797 mA (rms, 100kHz 45C), 717.3 mA (rms, 85C), 199.25 mA (rms, 125C)	
Leakage Current:	7.5 uA (5min 25°C)	

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