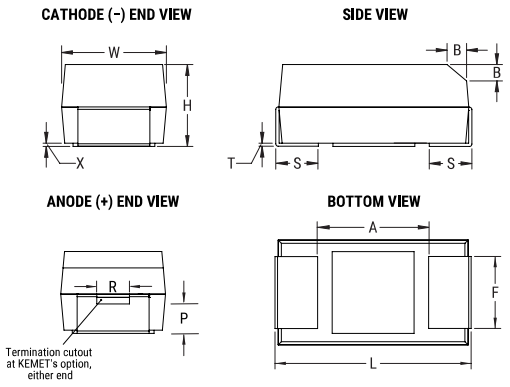
KEMET Part Number: T591B155K050ATE200

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



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
Shelf Life:	52 Weeks
MSL:	3

Dimensions	
Footprint	3528
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	1.1mm MIN
B	0.4mm +/-0.15mm
P	0.5mm REF
R	1mm REF
X	0.1mm +/-0.1mm

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)

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

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