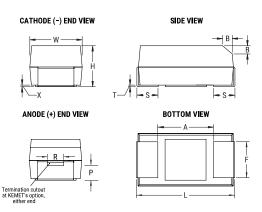
## KEMET Part Number: T591B107M006ATE070



T591, Tantalum, Polymer Tantalum, 100 uF, 20%, 6.3 VDC, SMD, Polymer, Molded, Low ESR, 70 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
Х	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:	100 uF	
Capacitance Tolerance:	20%	
Voltage DC:	6.3 VDC (105C), 4.22 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:	70 mOhms (100kHz 25C)	
Ripple Current:	1347 mA (rms, 100kHz 45C), 1212.3 mA (rms, 85C), 336.8 mA (rms, 125C)	
Leakage Current:	63 uA (5min 25°C)	

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

