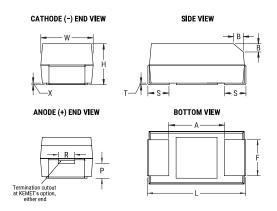
KEMET Part Number: T591B476M006ATE070



T591, Tantalum, Polymer Tantalum, 47 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	
A	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		
Supplier:	KEMET	
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:	47 uF	
Capacitance Tolerance:	20%	
Voltage DC:	6.3 VDC (105C), 4.22 VDC (125C)	
Temperature Range:	-55/+125C	
Rated Temperature:	105°C	
Humidity:	85C, 85% RH, load, 500 Hours	
Dissipation Factor:	8.00% 120Hz 25C	
Failure Rate:	N/A	
Resistance:	70 mOhms (100kHz 25C)	
Ripple Current:	1347 mAmps (100kHz 45C), 1212.3 mAmps (85C), 336.8 mAmps (125C)	
Leakage Current:	29.6 uA (5min 25C)	

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