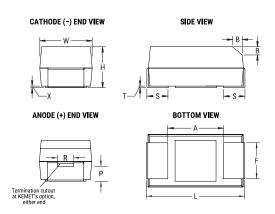
KEMET Part Number: T591D106M050ATE090



T591, Tantalum, Polymer Tantalum, 10 uF, 20%, 50 VDC, SMD, Polymer, Molded, Low ESR, 90 mOhms, 7343, Height Max = 3.1mm



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
A	3.8mm MIN
В	0.5mm +/-0.15mm
Р	0.9mm REF
R	1mm REF
Х	0.1mm +/-0.1mm

Packaging Specifications		
Weight:	434.83 mg	
Packaging:	T&R, 178mm	
Packaging Quantity:	500	

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:	10 uF	
Capacitance Tolerance:	20%	
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:	10% 120Hz 25C	
Failure Rate:	N/A	
Resistance:	90 mOhms (100kHz 25C)	
Ripple Current:	1581 mA (rms, 100kHz 45C), 1422.9 mA (rms, 85C), 395.3 mA (rms, 125C)	
Leakage Current:	50 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.

