

Tantalum, Polymer Tantalum, T591, 47 uF, 20%, 10 V, 3528, SMD, Polymer, Molded, Low ESR, 70 mOhms, Height Max = 2.1mm



General Information	
<b>Dielectric:</b>	Polymer Tantalum
<b>Style:</b>	SMD Chip
<b>Series:</b>	T591
<b>Description:</b>	SMD, Polymer, Molded, Low ESR
<b>Features:</b>	Automotive
<b>RoHS:</b>	Yes
<b>Termination:</b>	Tin
<b>Approvals:</b>	AEC-Q200 (limited 500h 85C/85% RH/Ur)
<b>AEC-Q200:</b>	Yes

Dimensions	
<b>Footprint</b>	3528
<b>L</b>	3.5mm +/-0.2mm
<b>W</b>	2.8mm +/-0.2mm
<b>H</b>	1.9mm +/-0.2mm
<b>T</b>	0.13mm REF
<b>S</b>	0.8mm +/-0.3mm
<b>F</b>	2.2mm +/-0.1mm
<b>A</b>	1.1mm MIN
<b>B</b>	0.4mm +/-0.15mm
<b>P</b>	0.5mm REF
<b>R</b>	1mm REF
<b>X</b>	0.1mm +/-0.1mm

Specifications	
<b>Capacitance:</b>	47 uF
<b>Capacitance Tolerance:</b>	20%
<b>Voltage DC:</b>	10 VDC (105C), 6.7 VDC (125C)
<b>Temperature Range:</b>	-55/+125C
<b>Dissipation Factor:</b>	8% 120Hz 25C
<b>Failure Rate:</b>	N/A
<b>Resistance:</b>	70 mOhms (100kHz 25C)
<b>Current:</b>	1347 mAmps (100kHz 45C), 1212.3 mAmps (85C), 336.8 mAmps (125C)
<b>Leakage Current:</b>	47 uAmps (5min 25C)

Packaging Specifications	
<b>Weight:</b>	94.85 mg
<b>Packaging:</b>	T&R, 178mm
<b>Packaging Quantity:</b>	2000

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