

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
H	2.8mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm
A	3.8mm MIN
B	0.5mm +/-0.15mm
P	0.9mm REF
R	1mm REF
X	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)