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General Information

Series	T599
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low ESR, AEC-Q200
Features	Automotive
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
Typical Component Weight	94.85 mg
Shelf Life	52 Weeks
MSL	3

Dimensions

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

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

Specifications

Capacitance	47 uF
Tolerance	20%
Voltage DC	6.3 VDC (105C), 4.22 VDC (150C)
Temperature Range	-55/+150°C
Rated Temperature	105°C
Humidity	85C, 85% RH, load, 1000 Hours
Dissipation Factor	8% 120Hz 25C
Failure Rate	N/A
ESR	70 mOhms (100kHz 25C)
Ripple Current	1390 mA (rms, 100kHz 45C), 973 mA (rms, 125C), 347.5 mA (rms, 150C)
Leakage Current	29.6 uA (5min 25°C)

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