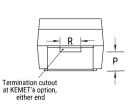# T598B225M050AHS150

T598, Tantalum, Polymer Tantalum, 2.2 uF, 20%, 50 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 150 mOhms, 3528, Height Max = 2.1mm

CATHODE (-) END VIEW
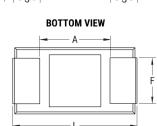
SIDE VIEW

ANODE (+) END VIEW

Termination cutout at KEMET's option, either end

BOTTOM VIEW

Click here for the 3D model.

Dimensions

Footprint	3528
L	3.5mm +/-0.2mm
W	2.8mm +/-0.2mm
H	1.9mm +/-0.2mm
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

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

General Information

Series	T598
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, Low ESR, AEC-Q200
Features	Automotive (Surge testing at 25C / 10 cycles)
RoHS	No
Prop 65	⚠ **WARNING:** Cancer and reproductive harm – http://www.p65warnings.ca.gov.
SCIP Number	b064b03e-bd75-42af-b342-1fe94dec2340
Termination	Solder Coated
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	94.9 mg
Shelf Life	52 Weeks
MSL	3

Specifications

Capacitance	2.2 uF
Capacitance Tolerance	20%
Voltage DC	50 VDC (105C), 27 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	105°C
Humidity	85C, 85% RH, load, 1000 Hours
Dissipation Factor	8% 120Hz 25C
Failure Rate	N/A
Resistance	150 mOhms (100kHz 25C)
Ripple Current	950 mA (rms, 100kHz 45C), 665 mA (rms, 105C), 237.5 mA (rms, 125C)
Leakage Current	11 uA (5min 25°C)