

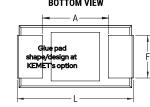
## T598B157M006AHS045

T598, Tantalum, Polymer Tantalum, Commercial Grade, 150 uF, 20%, 6.3 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 45 mOhms, 3528, 2 mm, 0.8 mm

CATHODE (-) END VIEW SIDE VIEW W Н + S +-- S-Termination cutout at KEMET's option, either end BOTTOM VIEW ANODE (+) END VIEW Δ.



P



Click here for the 3D model.

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 - https://www.p65warnings.ca.gov /
SCIP Number	b064b03e-bd75-42af-b342-1fe 94dec2340
Termination	Tin Lead (SnPb)
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	94.9 mg
Shelf Life	52 Weeks
MSL	3

Dimensions	
L	3.5mm +/-0.2mm
W	2.8mm +/-0.2mm
н	1.9mm +/-0.1mm
т	0.13mm REF
S	0.8mm +/-0.3mm
F	2.2mm +/-0.1mm
Α	1.1mm MIN
В	0.4mm +/-0.15mm
Р	0.5mm REF
R	1mm REF
Х	0.1mm +/-0.1mm REF

## Capacitance 150 uF Tolerance 20% 6.3 VDC (105C), 4.22 VDC Voltage DC (125C) **Temperature Range** -55/+125°C **Rated Temperature** 105°C Humidity 85C, 85% RH, load, 1000 Hours 8% 120Hz 25C **Dissipation Factor** Failure Rate N/A ESR 45 mOhms (100kHz 25C) 1730 mA (rms, 100kHz 45C), 1211 mA (rms, 105C), 432.5 mA (rms, 125C) **Ripple Current** Leakage Current 94.5 uA (5min 25°C)

**Packaging Specifications** Packaging **Packaging Quantity** 

T&R, 178mm 2000

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.

Specifications