

T598D476M025ATW060

T598, Tantalum, Polymer Tantalum, Commercial Grade, 47 uF, 20%, 25 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 60 mOhms, 7343, 3.1 mm, 1.3 mm



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 -55C and +85C / 10 cycles)
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	434.8 mg
Shelf Life	52 Weeks
MSL	3

Specifications

Capacitance	47 uF
Tolerance	20%
Voltage DC	25 VDC (105C), 16.75 VDC (125C)
Temperature Range	-55/ +125°C
Rated Temperature	105°C
Humidity	85C, 85% RH, load, 1000 Hours
Dissipation Factor	10% 120Hz 25C
Failure Rate	N/A
ESR	60 mOhms (100kHz 25C)
Ripple Current	2740 mA (rms, 100kHz 45C), 1918 mA (rms, 105C), 685 mA (rms, 125C)
Leakage Current	117.5 uA (5min 25°C)

Dimensions

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 REF

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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.