Axial Capacitors

B40620A5278M013 New

Product

Applications	Automotive
Features	High Ripple Current High Ripple Current High CV High CV Product Low ESR Low ESR 60g Vibration 60g Vibration Forced Cooling Optimized for Forced Cooling
Series	B40620
Status	Production
Simulate Useful Life	AlCap Useful Life Calculation Tool
Brand	TDK



Size	
Diameter (D)	16mm +0.3mm
Length (L)	30mm +0.9mm
Detail Size Information	Please refer to the data sheet

Electrical Characteristics	
Rated Capacitance	2700µF ±20% (100Hz, 20°C)
Rated Voltage V_R [DC]	25V
Surge Voltage Vs [DC]	28.75V
Rated Ripple Current $I_{AC, R}$	12.0A (20kHz, Ta=125°C)
Maximum Permissible Ripple Current $I_{AC, max.}$	31.0A (20kHz, Tc=125°C)
$ESR_{max.}$	3.5mΩ (20kHz, 20°C) 4.8mΩ (20kHz, -40°C)
Dissipation Factor tan δ	
Leakage Current	410µA (25V, 20°C, 5min)
ESL (Self Inductance)	29nH
Lower Category Temperature	-55°C
Upper Operating Temperature	150°C
Rated Useful Life	>4000h
Further Details	Please refer to the data sheet

Other	
Vibration Resistance	60g
Vibration Fixation Method	Case
Terminal Style	Axial-lead
Terminal Configuration	Axial long leads
Design	Without insulation

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Product

Reference Standards	Sectional specification IEC 60384-4 AEC-Q200
Soldering Method	Wave and selective wave Welding
Packing	Taped on Reel
Package Quantity	250pcs
Minimum Order Quantity	3000pcs
Weight	8.9g
Further Details	Please refer to the data sheet

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