

ALA7DC561DE450

ALA7D, Aluminum, Aluminum Electrolytic, 560 uF, 20%, 450 VDC, -40/+85°C, 22.5 mm



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General Information

Series	ALA7D
Dielectric	Aluminum Electrolytic
Description	Snap-In, Aluminum Electrolytic
RoHS	Yes
Lead	4 Pin
Qualifications	AEC-Q200
Halogen Free	Yes
Typical Component Weight	75 g
Miscellaneous	Vibration: <= 35mm 1.5mm displacement amplitude or 20G maximum acceleration. Vibration applied for three directions of 4-hour sessions at 10 – 2,000 Hz. (Capacitor clamped by body).
Shelf Life	156 Weeks

Specifications

Capacitance	560 uF
Tolerance	20%
Voltage DC	450 VDC, 495 VDC (Surge)
Temperature Range	-40/+85°C
Rated Temperature	85°C
Life	15000 Hrs (Rated Voltage And Ripple Current At 85C), 24000 Hrs (Rated Voltage At 85C)
ESR	275.2 mOhms (100Hz 20C), 163 mOhms (10kHz 20C)
Ripple Current	2.7 Amps (100Hz 85C), 5.84 Amps (10kHz 85C)
Leakage Current	1512 uA (5min 20°C)

Dimensions

D	35mm +1mm
L	45mm +/-2mm
S	22.5mm +/-0.1mm
LL	6.3mm +/-1mm
F	2mm +/-0.1mm

Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	100

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