

## ALA8DE511DE450

ALA8D, Aluminum, Aluminum Electrolytic, 510 uF, 20%, 450 VDC, -40/+105°C, 22.5 mm



Click [here](#) for the 3D model.

### General Information

Series	ALA8D
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	510 uF
Tolerance	20%
Voltage DC	450 VDC, 495 VDC (Surge)
Temperature Range	-40/+105°C
Rated Temperature	105°C
Life	8000 Hrs (Rated Voltage And Ripple Current At 105C), 13000 Hrs (Rated Voltage at 105C)
ESR	273 mOhms (100Hz 20C), 161.2 mOhms (10kHz 20C)
Ripple Current	2.67 Amps (100Hz 105C), 6.59 Amps (10kHz 105C)
Leakage Current	688.5 uA (5min 20°C)

Dimensions	
D	35mm +1mm
L	45mm +/-2mm
S	22.5mm +/-0.1mm
LL	4mm +/-1mm
F	2mm +/-0.1mm
Packaging Specifications	
Packaging	Tray
Packaging Quantity	100

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