

KEMET Part Number: ALA8DA511DE450
(A543EG511M450A)

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



Dimensions	
D	35mm +1mm
L	45mm +/-2mm
S	10mm +/-0.1mm
LL	6.3mm +/-1mm
F	2mm +/-0.1mm

Packaging Specifications	
Packaging:	Bulk, Bag
Packaging Quantity:	100

General Information	
Series:	ALA8D
Dielectric:	Aluminum Electrolytic
Description:	Snap-In, Aluminum Electrolytic
RoHS:	Yes
Lead:	2 Pin
Qualifications:	AEC-Q200
AEC-Q200:	Yes
Halogen Free:	Yes
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
Capacitance 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)
Resistance:	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)

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