

ALA7DD301CC450

Aliases (A542DE301M450D)

ALA7D, Aluminum Electrolytic, 300 uF, 20%, 450 VDC, -40/+85°C



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Dimensions	
D	30mm +1mm
L	35mm +/-2mm
S	10mm +/-0.1mm
LL	4mm +/-1mm
F	2mm +/-0.1mm

Packaging Specifications	
Packaging	Bulk, Bag
Packaging Quantity	160

General Information	
Series	ALA7D
Dielectric	Aluminum Electrolytic
Description	Snap-In, Aluminum Electrolytic
RoHS	Yes
Lead	2 Pin
Qualifications	AEC-Q200
AEC-Q200	Yes
Halogen Free	Yes
Component Weight	45 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	300 uF
Capacitance Tolerance	20%
Voltage DC	450 VDC, 495 VDC (Surge)
Temperature Range	-40/+85°C
Rated Temperature	85°C
Life	13000 Hrs (Rated Voltage And Ripple Current At 85C), 21000 Hrs (Rated Voltage at 85C)
Resistance	504.2 mOhms (100Hz 20C), 296.2 mOhms (10kHz 20C)
Ripple Current	1.71 Amps (100Hz 85C), 3.96 Amps (10kHz 85C)
Leakage Current	810 uA (5min 20°C)

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