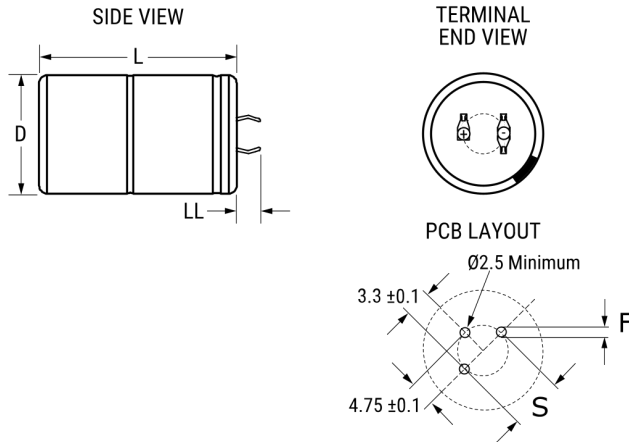


## ALA8DF301CD450

Aliases (A543DF301M450F)

ALA8D, Aluminum Electrolytic, 300 uF, 20%, 450 VDC, -40/+105°C



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

### Dimensions

D	30mm +1mm
L	40mm +/-2mm
S	10mm +/-0.1mm
LL	4mm +/-1mm
F	2mm +/-0.1mm

### Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	160

### General Information

Series	ALA8D
Dielectric	Aluminum Electrolytic
Description	Snap-In, Aluminum Electrolytic
RoHS	Yes
Lead	3 Pin
Qualifications	AEC-Q200
AEC-Q200	Yes
Halogen Free	Yes
Component Weight	50 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/+105°C
Rated Temperature	105°C
Life	7000 Hrs (Rated Voltage And Ripple Current At 105C), 11000 Hrs (Rated Voltage At 105C)
Resistance	454 mOhms (100Hz 20C), 265.4 mOhms (10kHz 20C)
Ripple Current	1.91 Amps (100Hz 105C), 5.29 Amps (10kHz 105C)
Leakage Current	405 uA (5min 20°C)