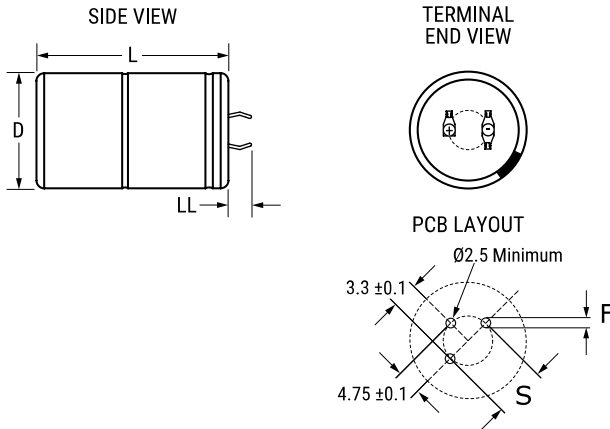


ALA8DF431DF500

ALA8D, Aluminum, Aluminum Electrolytic, 430 uF, 20%, 500 VDC, -40/+105°C, 10 mm



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

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
Typical Component Weight	80 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	430 uF
Tolerance	20%
Voltage DC	500 VDC, 550 VDC (Surge)
Temperature Range	-40/+105°C
Rated Temperature	105°C
Life	8000 Hrs (Rated Voltage And Ripple Current At 105°C), 13000 Hrs (Rated Voltage At 105°C)
ESR	484 mOhms (100Hz 20°C), 357.6 mOhms (10kHz 20°C)
Ripple Current	2.68 Amps (100Hz 105°C), 6.06 Amps (10kHz 105°C)
Leakage Current	645 uA (5min 20°C)

Dimensions

D	35mm +1mm
L	50mm +/-2mm
S	10mm +/-0.1mm
LL	4mm +/-1mm
F	2mm +/-0.1mm

Packaging Specifications

Packaging	Tray
Packaging Quantity	100

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