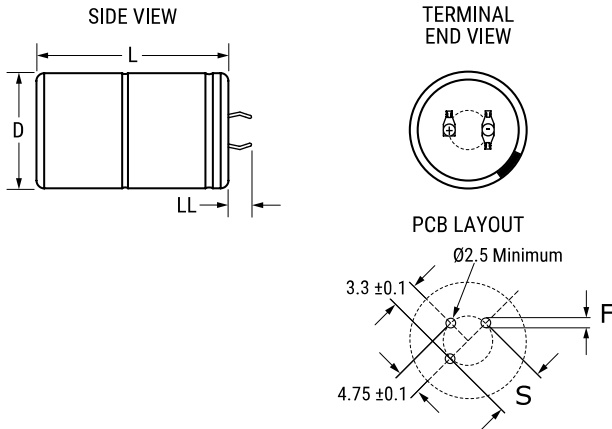


ALA7DF471CF450

ALA7D, Aluminum, Aluminum Electrolytic, 470 uF, 20%, 450 VDC, -40/+85°C, 10 mm



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

General Information

Series	ALA7D
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	60 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	470 uF
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 85°C), 21000 Hrs (Rated Voltage At 85°C)
ESR	322.4 mOhms (100Hz 20C), 189.4 mOhms (10kHz 20C)
Ripple Current	2.27 Amps (100Hz 85C), 5.2 Amps (10kHz 85C)
Leakage Current	1269 uA (5min 20°C)

Dimensions

D	30mm +1mm
L	50mm +/-2mm
S	10mm +/-0.1mm
LL	4mm +/-1mm
F	2mm +/-0.1mm

Packaging Specifications

Packaging	Tray
Packaging Quantity	160

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