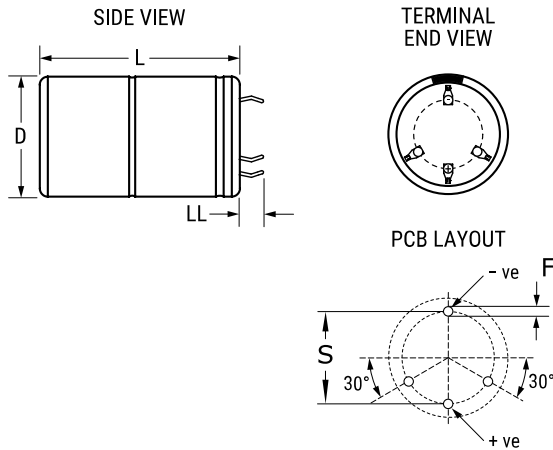


ALA8DE511DE450

ALA8D, Aluminum, Aluminum Electrolytic, 510 uF, 20%, 450 VDC, -40/+105°C, 22.5 mm



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

General Information

| | |
|--------------------------|---|
| Series | ALA8D |
| Dielectric | Aluminum Electrolytic |
| Description | Snap-In, Aluminum Electrolytic |
| RoHS | Yes |
| Lead | 4 Pin |
| Qualifications | AEC-Q200 |
| Halogen Free | Yes |
| Typical 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 |
| 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) |
| ESR | 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) |

Dimensions

| | |
|----|-----------------|
| D | 35mm +1mm |
| L | 45mm +/-2mm |
| S | 22.5mm +/-0.1mm |
| LL | 4mm +/-1mm |
| F | 2mm +/-0.1mm |

Packaging Specifications

| | |
|--------------------|------|
| Packaging | Tray |
| Packaging Quantity | 100 |

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