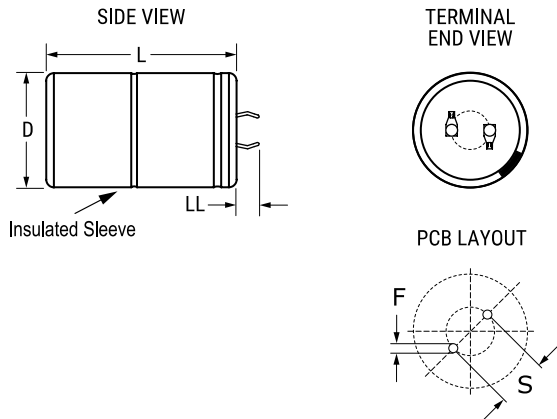


## ALA7DA561DE450

ALA7D, Aluminum, Aluminum Electrolytic, 560 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                     | 2 Pin                                                                                                                                                                                 |
| Qualifications           | AEC-Q200                                                                                                                                                                              |
| AEC-Q200                 | Yes                                                                                                                                                                                   |
| 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                                                                                                                                                                             |

### Dimensions

|    |               |
|----|---------------|
| D  | 35mm +1mm     |
| L  | 45mm +/-2mm   |
| S  | 10mm +/-0.1mm |
| LL | 6.3mm +/-1mm  |
| F  | 2mm +/-0.1mm  |

### Packaging Specifications

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

### Specifications

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Capacitance       | 560 uF                                                                                |
| Tolerance         | 20%                                                                                   |
| Voltage DC        | 450 VDC, 495 VDC (Surge)                                                              |
| Temperature Range | -40/+85°C                                                                             |
| Rated Temperature | 85°C                                                                                  |
| Life              | 15000 Hrs (Rated Voltage And Ripple Current At 85C), 24000 Hrs (Rated Voltage At 85C) |
| ESR               | 275.2 mOhms (100Hz 20C), 163 mOhms (10kHz 20C)                                        |
| Ripple Current    | 2.7 Amps (100Hz 85C), 5.84 Amps (10kHz 85C)                                           |
| Leakage Current   | 1512 uA (5min 20°C)                                                                   |

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