



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

## General Information

|                          |   |
|--------------------------|---|
| Series                   | ALA8D   |
| 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 | 95 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        | 500 VDC, 550 VDC (Surge)   |
| Temperature Range | -40/+105°C   |
| Rated Temperature | 105°C  |
| Life              | 9000 Hrs (Rated Voltage And Ripple Current At 105C), 14000 Hrs (Rated Voltage At 105C) |
| ESR               | 428 mOhms (100Hz 20C), 312 mOhms (10kHz 20C)   |
| Ripple Current    | 2.926 Amps (100Hz 105C), 6.336 Amps (10kHz 105C)                                       |
| Leakage Current   | 705 uA (5min 20°C)   |

| Dimensions               |               |
|--------------------------|---------------|
| D                        | 40mm +1mm     |
| L                        | 45mm +/-2mm   |
| S                        | 10mm +/-0.1mm |
| LL                       | 4mm +/-1mm    |
| F                        | 2mm +/-0.1mm  |
| Packaging Specifications |               |
| Packaging                | Tray          |
| Packaging Quantity       | 72            |

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