



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

| Dimensions |               |
|------------|---------------|
| D          | 40mm +1mm     |
| L          | 50mm +/-2mm   |
| S          | 10mm +/-0.1mm |
| LL         | 6.3mm +/-1mm  |
| F          | 2mm +/-0.1mm  |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging                | Bulk, Bag |
| Packaging Quantity       | 36        |

| 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  |
| Component Weight    | 105 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           | 560 uF   |
| Capacitance 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) |
| Resistance            | 360 mOhms (100Hz 20C), 263 mOhms (10kHz 20C)   |
| Ripple Current        | 3.276 Amps (100Hz 105C), 6.986 Amps (10kHz 105C)                                       |
| Leakage Current       | 840 uA (5min 20°C)   |