



## SIDE VIEW



TERMINAL

PCB LAYOUT



Click here for the 3D model.

| Dimensions |               |
|------------|---------------|
| D          | 35mm +1mm     |
| L          | 50mm +/-2mm   |
| S          | 10mm +/-0.1mm |
| LL         | 6.3mm +/-1mm  |
| F          | 2mm +/-0.1mm  |

| Packaging Specifications | 1         |
|--------------------------|-----------|
| Packaging                | Bulk, Bag |
| Packaging Quantity       | 100       |

| 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  |  |
| Component<br>Weight | 80 g   |  |
| Miscellaneous       | Vibration: <= 35mm 1.5mm displacement<br>amplitude or 20G maximum acceleration.<br>Vibration applied for three directions of 4-hour<br>sessions at 10-2,000 Hz. (Capacitor clamped by<br>body.). |  |
| Shelf Life          | 156 Weeks  |  |

| Specifications           |  |
|--------------------------|--|
| Capacitance              | 390 uF   |
| Capacitance<br>Tolerance | 20%  |
| Voltage DC               | 550 VDC, 605 VDC (Surge)   |
| Temperature<br>Range     | -40/+85°C  |
| Rated<br>Temperature     | 85°C   |
| Life                     | 15000 Hrs (Rated Voltage And Ripple Current<br>At 85C), 24000 Hrs (Rated Voltage at 85C) |
| Resistance               | 440 mOhms (100Hz 20C), 305 mOhms (10kHz<br>20C)  |
| <b>Ripple Current</b>    | 2.5 Amps (100Hz 85C), 5.1 Amps (10kHz 85C)   |
| Leakage Current          | 1287 uA (5min 20°C)  |

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