

ALA8D, Aluminum Electrolytic, 105C, 360 uF, 20%, 500 VDC, -40/+105C



### Dimensions

|           |                 |
|-----------|-----------------|
| <b>D</b>  | 35mm +1mm       |
| <b>L</b>  | 45mm +/-2mm     |
| <b>S</b>  | 22.5mm +/-0.1mm |
| <b>LL</b> | 6.3mm +/-1mm    |
| <b>F</b>  | 2mm +/-0.1mm    |

### Packaging Specifications

|                            |           |
|----------------------------|-----------|
| <b>Weight:</b>             | 75 g      |
| <b>Packaging:</b>          | Bulk, Bag |
| <b>Packaging Quantity:</b> | 100       |

### General Information

|                        |                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Supplier:</b>       | KEMET                                                                                                                                                                                 |
| <b>Series:</b>         | ALA8D                                                                                                                                                                                 |
| <b>Dielectric:</b>     | Aluminum Electrolytic                                                                                                                                                                 |
| <b>Description:</b>    | Snap-In, Aluminum Electrolytic                                                                                                                                                        |
| <b>RoHS:</b>           | Yes                                                                                                                                                                                   |
| <b>Lead:</b>           | 4 Pin                                                                                                                                                                                 |
| <b>Qualifications:</b> | AEC-Q200                                                                                                                                                                              |
| <b>AEC-Q200:</b>       | Yes                                                                                                                                                                                   |
| <b>Miscellaneous:</b>  | 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.) |
| <b>Shelf Life:</b>     | 156 Weeks                                                                                                                                                                             |

### Specifications

|                               |                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------|
| <b>Capacitance:</b>           | 360 uF                                                                                 |
| <b>Capacitance Tolerance:</b> | 20%                                                                                    |
| <b>Voltage DC:</b>            | 500 VDC, 550 VDC (Surge)                                                               |
| <b>Temperature Range:</b>     | -40/+105C                                                                              |
| <b>Rated Temperature:</b>     | 105C                                                                                   |
| <b>Life:</b>                  | 8000 Hrs (Rated Voltage And Ripple Current At 105C), 13000 Hrs (Rated Voltage At 105C) |
| <b>Resistance:</b>            | 577 mOhms (100Hz 20C), 426 mOhms (10kHz 20C)                                           |
| <b>Ripple Current:</b>        | 2.39 Amps (100Hz 105C), 5.46 Amps (10kHz 105C)                                         |
| <b>Leakage Current:</b>       | 1080 uA (5min 20C)                                                                     |