

ALA8D, Aluminum Electrolytic, 105C, 360 uF, 20%, 450 VDC, -40/+105C



### Dimensions

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

### Packaging Specifications

|                     |           |
|---------------------|-----------|
| Weight:             | 60 g      |
| Packaging:          | Bulk, Bag |
| Packaging Quantity: | 100       |

### General Information

|                 |                                                                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supplier:       | KEMET                                                                                                                                                                                 |
| Series:         | ALA8D                                                                                                                                                                                 |
| Dielectric:     | Aluminum Electrolytic                                                                                                                                                                 |
| Description:    | Snap-In, Aluminum Electrolytic                                                                                                                                                        |
| RoHS:           | Yes                                                                                                                                                                                   |
| Lead:           | 2 Pin                                                                                                                                                                                 |
| Qualifications: | AEC-Q200                                                                                                                                                                              |
| AEC-Q200:       | Yes                                                                                                                                                                                   |
| 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:           | 360 uF                                                                                 |
| Capacitance Tolerance: | 20%                                                                                    |
| Voltage DC:            | 450 VDC, 495 VDC (Surge)                                                               |
| Temperature Range:     | -40/+105C                                                                              |
| Rated Temperature:     | 105C                                                                                   |
| Life:                  | 8000 Hrs (Rated Voltage And Ripple Current At 105C), 13000 Hrs (Rated Voltage At 105C) |
| Resistance:            | 386 mOhms (100Hz 20C), 228 mOhms (10kHz 20C)                                           |
| Ripple Current:        | 2.18 Amps (100Hz 105C), 5.43 Amps (10kHz 105C)                                         |
| Leakage Current:       | 972 uA (5min 20C)                                                                      |