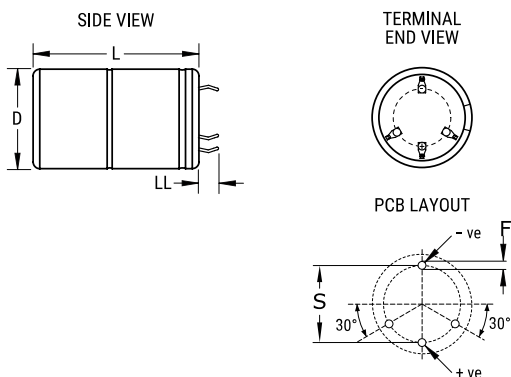


ALA8D, Aluminum Electrolytic, 105C, 510 uF, 20%, 450 VDC, -40/+105C



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

| Packaging Specifications |           |
|--------------------------|-----------|
| Weight:                  | 75 g      |
| Packaging:               | Bulk, Bag |
| Packaging Quantity:      | 100       |

| General Information |                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supplier:           | KEMET                                                                                                                                                                                 |
| Series:             | ALA8D                                                                                                                                                                                 |
| Dielectric:         | Aluminum Electrolytic                                                                                                                                                                 |
| Description:        | Snap-In, Aluminum Electrolytic                                                                                                                                                        |
| RoHS:               | Yes                                                                                                                                                                                   |
| Lead:               | 4 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:           | 510 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:            | 273 mOhms (100Hz 20C), 161.2 mOhms (10kHz 20C)                                         |
| Ripple Current:        | 2.67 Amps (100Hz 105C), 6.59 Amps (10kHz 105C)                                         |
| Leakage Current:       | 1377 uA (5min 20C)                                                                     |