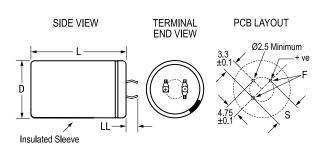
## **KEMET Part Number: ALC10F271DD450**



## ALC10, Aluminum Electrolytic, 270 uF, 20%, 450 VDC, -40/+85°C



| Series:           | ALC10                                |
|-------------------|--------------------------------------|
| Dielectric:       | Aluminum Electrolytic                |
| Description:      | Snap-In, Aluminum Electrolytic       |
| RoHS:             | Yes                                  |
| Lead:             | 3 Pin Short                          |
| AEC-Q200:         | No                                   |
| Component Weight: | 55 g                                 |
| Notes:            | Dimensions D And L Include Sleeving. |
| Shelf Life:       | 156 Weeks                            |

**General Information** 

| Dimensions |               |
|------------|---------------|
| D          | 35mm +1mm     |
| L          | 40mm +/-2mm   |
| S          | 10mm +/-0.1mm |
| LL         | 4mm +/-1mm    |
| F          | 2mm +/-0.1mm  |

| Packaging Specifications |           |
|--------------------------|-----------|
| Sleeving:                | Yes       |
| Packaging:               | Bulk, Bag |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 270 uF  |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 450 VDC, 495 VDC (Surge)  |
| Temperature Range:     | -40/+85°C   |
| Rated Temperature:     | 85°C  |
| Life:                  | 15000 Hrs (Rated Voltage And<br>Ripple Current At 85C), 24000<br>Hrs (Rated Voltage at 85C) |
| Resistance:            | 458 mOhms (100Hz 20C), 311<br>mOhms (10kHz 20C)   |
| Ripple Current:        | 1.78 Amps (100Hz 85C), 3.27<br>Amps (10kHz 85C)   |
| Leakage Current:       | 729 uA (5min 20°C)  |

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