

## ALC80A301CF450

ALC80, Aluminum, Aluminum Electrolytic, 300 uF, 20%, 450 VDC, -40/+105°C, 10 mm



Click [here](#) for the 3D model.

### General Information

|                          |                                     |
|--------------------------|-------------------------------------|
| Series                   | ALC80                               |
| Dielectric               | Aluminum Electrolytic               |
| Description              | Snap-In, Aluminum Electrolytic      |
| RoHS                     | Yes                                 |
| Lead                     | 2 Pin                               |
| AEC-Q200                 | No                                  |
| Halogen Free             | Yes                                 |
| Typical Component Weight | 60 g                                |
| Notes                    | Dimensions D And L Include Slewing. |
| Shelf Life               | 156 Weeks                           |

### Specifications

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| Capacitance       | 300 uF                                                                                 |
| Tolerance         | 20%                                                                                    |
| Voltage DC        | 450 VDC, 495 VDC (Surge)                                                               |
| Temperature Range | -40/+105°C                                                                             |
| Rated Temperature | 105°C                                                                                  |
| Life              | 7000 Hrs (Rated Voltage And Ripple Current At 105C), 11000 Hrs (Rated Voltage at 105C) |
| ESR               | 430.2 mOhms (100Hz 20C), 246.7 mOhms (10kHz 20C)                                       |
| Ripple Current    | 2.025 Amps (100Hz 105C), 5.944 Amps (10kHz 105C)                                       |
| Leakage Current   | 405 uA (5min 20°C)                                                                     |

### Dimensions

|    |               |
|----|---------------|
| D  | 30mm +1mm     |
| L  | 50mm +/-2mm   |
| S  | 10mm +/-0.1mm |
| LL | 6.3mm +/-1mm  |
| F  | 2mm +/-0.1mm  |

### Packaging Specifications

|           |           |
|-----------|-----------|
| Slewing   | Yes       |
| Packaging | Bulk, Bag |

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