

## ALF40C331DF450

ALF40, Aluminum, Aluminum Electrolytic, 330 uF, 20%, 450 VDC, -40/+105°C, 22.5 mm



Please see datasheet for details on PCB hole size and tolerance

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

### General Information

|                          |                             |
|--------------------------|-----------------------------|
| Series                   | ALF40                       |
| Dielectric               | Aluminum Electrolytic       |
| Style                    | Press-Fit                   |
| Description              | Aluminum Electrolytic       |
| RoHS                     | Yes                         |
| Lead                     | 4 Pin Press-Fit             |
| Typical Component Weight | 70 g                        |
| Notes                    | Dimensions Include Slewing. |
| Shelf Life               | 156 Weeks                   |

### Dimensions

|    |                    |
|----|--------------------|
| D  | 35mm +1mm          |
| L  | 50mm +/-2mm        |
| S  | 22.5mm +/-0.1mm    |
| LL | 5.5mm +/-1mm       |
| F  | 1.486mm +/-0.076mm |

### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | Bulk |
| Packaging Quantity | 100  |

### Specifications

|                   |  |
|-------------------|--|
| Capacitance       | 330 uF   |
| Tolerance         | 20%  |
| Voltage DC        | 450 VDC, 495 VDC (Surge)   |
| Temperature Range | -40/+105°C   |
| Rated Temperature | 105°C  |
| Life              | 8000 Hrs (Rated Voltage And Ripple Current At 105C), 13000 Hrs (Rated Voltage at 105C) |
| ESR               | 206 mOhms (100Hz 20C), 140 mOhms (10kHz 20C)   |
| Ripple Current    | 2.53 Amps (100Hz 105C), 5.14 Amps (10kHz 105C)   |
| Leakage Current   | 445.5 uA (5min 20°C)   |

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