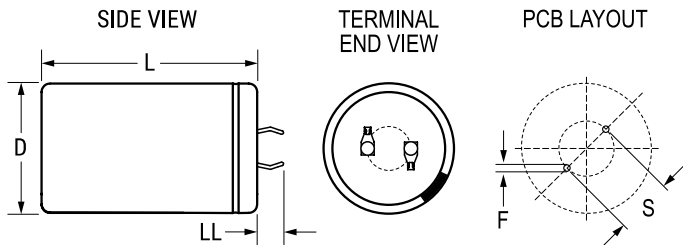


## ALC40D821EP450

ALC40, Aluminum, Aluminum Electrolytic, 820 uF, 20%, 450 VDC, -40/+105°C, 10 mm



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

| Dimensions |               |
|------------|---------------|
| D          | 40mm +1mm     |
| L          | 105mm +/-2mm  |
| S          | 10mm +/-0.1mm |
| LL         | 4mm +/-1mm    |
| F          | 2mm +/-0.1mm  |

| Packaging Specifications |      |
|--------------------------|------|
| Packaging                | Tray |

| General Information      |                                |
|--------------------------|--------------------------------|
| Series                   | ALC40                          |
| Dielectric               | Aluminum Electrolytic          |
| Description              | Snap-In, Aluminum Electrolytic |
| RoHS                     | Yes                            |
| Lead                     | 2 Pin Short                    |
| AEC-Q200                 | No                             |
| Typical Component Weight | 170 g                          |
| Shelf Life               | 156 Weeks                      |

| Specifications    |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| Capacitance       | 820 uF                                                                                 |
| Tolerance         | 20%                                                                                    |
| Voltage DC        | 450 VDC, 495 VDC (Surge)                                                               |
| Temperature Range | -40/+105°C                                                                             |
| Rated Temperature | 105°C                                                                                  |
| Life              | 9000 Hrs (Rated Voltage And Ripple Current At 105C), 14000 Hrs (Rated Voltage at 105C) |
| ESR               | 121 mOhms (100Hz 20C), 85 mOhms (10kHz 20C)                                            |
| Ripple Current    | 5.34 Amps (100Hz 105C), 11.05 Amps (10kHz 105C)                                        |
| Leakage Current   | 1107 uA (5min 20°C)                                                                    |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.