

## ALC80C823FP040

ALC80, Aluminum, Aluminum Electrolytic, 82,000 uF, 20%, 40 VDC, -40/+105°C, 22.5 mm



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

### General Information

|                          |                                     |
|--------------------------|-------------------------------------|
| Series                   | ALC80                               |
| Dielectric               | Aluminum Electrolytic               |
| Description              | Snap-In, Aluminum Electrolytic      |
| RoHS                     | Yes                                 |
| Lead                     | 4 Pin                               |
| AEC-Q200                 | No                                  |
| Halogen Free             | Yes                                 |
| Typical Component Weight | 225 g                               |
| Notes                    | Dimensions D And L Include Slewing. |
| Shelf Life               | 156 Weeks                           |

### Dimensions

|    |                 |
|----|-----------------|
| D  | 45mm +1mm       |
| L  | 105mm +/-2mm    |
| S  | 22.5mm +/-0.1mm |
| LL | 6.3mm +/-1mm    |
| F  | 2mm +/-0.1mm    |

### Packaging Specifications

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

### Specifications

|                   |  |
|-------------------|--|
| Capacitance       | 82,000 uF  |
| Tolerance         | 20%  |
| Voltage DC        | 40 VDC, 46 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               | 9.944 mOhms (100Hz 20C), 8.695 mOhms (10kHz 20C)                                       |
| Ripple Current    | 18.33 Amps (100Hz 105C), 20.56 Amps (10kHz 105C)                                       |
| Leakage Current   | 6000 uA (5min 20°C)  |

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