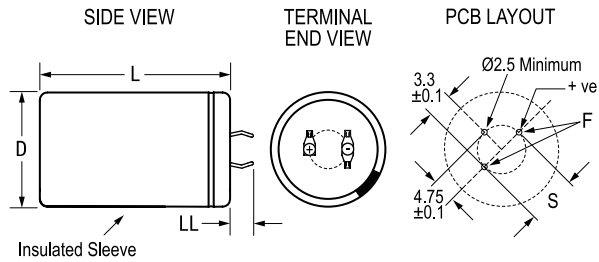


**KEMET Part Number: ALC70F683EL040**  
(A546HP683M040F)



ALC70, Aluminum Electrolytic, 68,000 uF, 20%, 40 VDC, -40/+85°C



| General Information |                                       |
|---------------------|---------------------------------------|
| Series:             | ALC70                                 |
| Dielectric:         | Aluminum Electrolytic                 |
| Description:        | Snap-In, Aluminum Electrolytic        |
| RoHS:               | Yes                                   |
| Lead:               | 3 Pin Short                           |
| AEC-Q200:           | No                                    |
| Halogen Free:       | Yes                                   |
| Component Weight:   | 165 g                                 |
| Notes:              | Dimensions D And L Include Sleevings. |
| Shelf Life:         | 156 Weeks                             |

| Dimensions |               |
|------------|---------------|
| D          | 40mm +1mm     |
| L          | 80mm +/-2mm   |
| S          | 10mm +/-0.1mm |
| LL         | 4mm +/-1mm    |
| F          | 2mm +/-0.1mm  |

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

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 68,000 uF   |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 40 VDC, 46 VDC (Surge)  |
| Temperature Range:     | -40/+85°C   |
| Rated Temperature:     | 85°C  |
| Life:                  | 18000 Hrs (Rated Voltage And Ripple Current At 85C), 29000 Hrs (Rated Voltage at 85C) |
| Resistance:            | 16.25 mOhms (100Hz 20C), 14.33 mOhms (10kHz 20C)                                      |
| Ripple Current:        | 12.93 Amps (100Hz 85C), 14.36 Amps (10kHz 85C)  |
| Leakage Current:       | 6000 uA (5min 20°C)   |

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