

**KEMET Part Number: ALC80A123EB040**  
(A547HD123M040A)

ALC80, Aluminum Electrolytic, 12,000 uF, 20%, 40 VDC, -40/+105°C



**Dimensions**

|           |               |
|-----------|---------------|
| <b>D</b>  | 40mm +1mm     |
| <b>L</b>  | 30mm +/-2mm   |
| <b>S</b>  | 10mm +/-0.1mm |
| <b>LL</b> | 6.3mm +/-1mm  |
| <b>F</b>  | 2mm +/-0.1mm  |

**Packaging Specifications**

|                   |           |
|-------------------|-----------|
| <b>Sleeving:</b>  | Yes       |
| <b>Packaging:</b> | Bulk, Bag |

**General Information**

|                          |                                      |
|--------------------------|--------------------------------------|
| <b>Series:</b>           | ALC80                                |
| <b>Dielectric:</b>       | Aluminum Electrolytic                |
| <b>Description:</b>      | Snap-In, Aluminum Electrolytic       |
| <b>RoHS:</b>             | Yes                                  |
| <b>Lead:</b>             | 2 Pin                                |
| <b>AEC-Q200:</b>         | No                                   |
| <b>Halogen Free:</b>     | Yes                                  |
| <b>Component Weight:</b> | 55 g                                 |
| <b>Notes:</b>            | Dimensions D And L Include Sleeving. |
| <b>Shelf Life:</b>       | 156 Weeks                            |

**Specifications**

|                               |                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------|
| <b>Capacitance:</b>           | 12,000 uF                                                                              |
| <b>Capacitance Tolerance:</b> | 20%                                                                                    |
| <b>Voltage DC:</b>            | 40 VDC, 46 VDC (Surge)                                                                 |
| <b>Temperature Range:</b>     | -40/+105°C                                                                             |
| <b>Rated Temperature:</b>     | 105°C                                                                                  |
| <b>Life:</b>                  | 9000 Hrs (Rated Voltage And Ripple Current At 105C), 14000 Hrs (Rated Voltage at 105C) |
| <b>Resistance:</b>            | 52.83 mOhms (100Hz 20C), 44.32 mOhms (10kHz 20C)                                       |
| <b>Ripple Current:</b>        | 6.307 Amps (100Hz 105C), 7.658 Amps (10kHz 105C)                                       |
| <b>Leakage Current:</b>       | 1440 uA (5min 20°C)                                                                    |

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