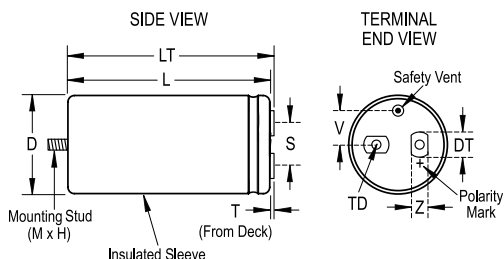


**KEMET Part Number: ALS31A154NF040**  
(A431TM154M040A)

ALS31, Aluminum Electrolytic, 150,000 uF, 20%, 40 VDC, -40/+85°C



**General Information**

|                     |   |
|---------------------|---|
| <b>Supplier:</b>    | KEMET   |
| <b>Series:</b>      | ALS31   |
| <b>Dielectric:</b>  | Aluminum Electrolytic                                   |
| <b>Description:</b> | Screw Terminal, Aluminum Electrolytic                   |
| <b>RoHS:</b>        | Yes   |
| <b>Mounting:</b>    | Stud  |
| <b>AEC-Q200:</b>    | No  |
| <b>Notes:</b>       | Dimensions D And L Include Sleevling. MS (MxH) = M12x16 |

**Dimensions**

|           |                 |
|-----------|-----------------|
| <b>D</b>  | 77mm +/-1mm     |
| <b>L</b>  | 105mm +/-2mm    |
| <b>T</b>  | 5.5mm +/-0.5mm  |
| <b>S</b>  | 31.8mm +/-0.5mm |
| <b>DT</b> | 13mm +/-0.5mm   |
| <b>LT</b> | 110.5mm +/-1mm  |
| <b>TD</b> | 10mm MIN        |
| <b>V</b>  | 19mm NOM        |
| <b>Z</b>  | 10mm NOM        |

**Specifications**

|                               |   |
|-------------------------------|---|
| <b>Capacitance:</b>           | 150,000 uF  |
| <b>Capacitance Tolerance:</b> | 20%   |
| <b>Voltage DC:</b>            | 40 VDC, 46 VDC (Surge)  |
| <b>Temperature Range:</b>     | -40/+85°C   |
| <b>Rated Temperature:</b>     | 85°C  |
| <b>Life:</b>                  | 20000 Hrs (Rated Voltage And Ripple Current At 85C), 40000 Hrs (Rated Voltage At 85C) |
| <b>Resistance:</b>            | 8 mOhms (100Hz 20C), 8 mOhms (10kHz 20C)  |
| <b>Ripple Current:</b>        | 26.8 Amps (100Hz 85C), 30.2 Amps (10kHz 85C)  |
| <b>Leakage Current:</b>       | 6000 uA (5min 20°C)   |

**Packaging Specifications**

|                   |           |
|-------------------|-----------|
| <b>Weight:</b>    | 690 g     |
| <b>Sleevling:</b> | Yes       |
| <b>Packaging:</b> | Bulk, Box |