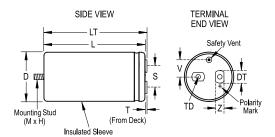
## **KEMET Part Number: ALS31A102KF450**



## Aluminum Electrolytic, 85C, ALS31, 1000 uF, 20%, 450 V, -40/+85C



| General Information |   |
|---------------------|---|
| Dielectric:         | Aluminum Electrolytic                                     |
| Series:             | ALS31   |
| Description:        | Screw Terminal, Aluminum<br>Electrolytic                  |
| RoHS:               | Yes   |
| Notes:              | Dimensions D And L Include<br>Sleeving. MS (MxH) = M12x16 |
|                     |   |

| Dimensions |                 |
|------------|-----------------|
| D          | 51mm +/-1mm     |
| L          | 105mm +/-2mm    |
| Т          | 5.5mm +/-0.5mm  |
| S          | 22.2mm +/-0.5mm |
| DT         | 13mm +/-0.5mm   |
| LT         | 110.5mm +/-1mm  |
| TD         | 10mm MIN        |
| V          | 13.7mm NOM      |
| Z          | 10mm NOM        |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 1000 uF   |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 450 VDC   |
| Temperature Range:     | -40/+85C  |
| Rated Temperature:     | 85C   |
| Life:                  | 18000 Hrs (Rated Voltage And<br>Ripple Current At 85C), 36000<br>Hrs (Rated Voltgae At 85C) |
| Resistance:            | 118 mOhms (100Hz 20C), 79<br>mOhms (10kHz 20C)  |
| Current:               | 6.5 Amps (100Hz 85C), 12.6<br>Amps (10kHz 85C)  |
| Leakage:               | 2700 uAmps (5min 20C)   |

| Packaging Specifications |       |  |
|--------------------------|-------|--|
| Weight:                  | 300 g |  |
| Sleeving:                | Yes   |  |
| Packaging:               | Bulk  |  |

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