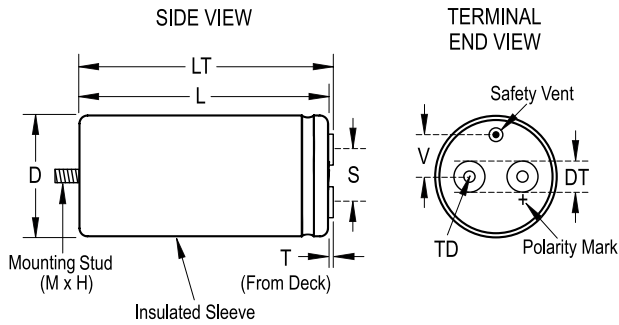


## ALS31C472NP450

ALS31, Aluminum, Aluminum Electrolytic, 4,700 uF, 20%, 450 VDC, -40/+85°C, 31.8 mm



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

### General Information

|                          |                                                         |
|--------------------------|---------------------------------------------------------|
| Series                   | ALS31                                                   |
| Dielectric               | Aluminum Electrolytic                                   |
| Description              | Screw Terminal, Aluminum Electrolytic                   |
| RoHS                     | Yes                                                     |
| Lead                     | Screw Terminals M6                                      |
| Mounting                 | Through-Hole                                            |
| AEC-Q200                 | No                                                      |
| Typical Component Weight | 960 g                                                   |
| Notes                    | Dimensions D And L Include Sleeving. MS (MxH) = M12x16. |
| Shelf Life               | 156 Weeks                                               |

### Specifications

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Capacitance       | 4,700 uF                                                                              |
| Tolerance         | 20%                                                                                   |
| Voltage DC        | 450 VDC, 495 VDC (Surge)                                                              |
| Temperature Range | -40/+85°C                                                                             |
| Rated Temperature | 85°C                                                                                  |
| Life              | 20000 Hrs (Rated Voltage And Ripple Current At 85C), 40000 Hrs (Rated Voltage at 85C) |
| ESR               | 36 mOhms (100Hz 20C), 26 mOhms (10kHz 20C)                                            |
| Ripple Current    | 17.1 Amps (100Hz 85C), 25.2 Amps (10kHz 85C)                                          |
| Leakage Current   | 6000 uA (5min 20°C)                                                                   |

### Dimensions

|    |                      |
|----|----------------------|
| D  | 77mm +/-1mm          |
| L  | 146mm +/-2mm         |
| T  | 5.5mm +/-0.5mm       |
| S  | 31.8mm +/-0.5mm      |
| DT | 13mm +/-0.5mm        |
| LT | Available On Request |
| TD | 10mm MIN             |
| V  | 19mm NOM             |

### Packaging Specifications

|           |           |
|-----------|-----------|
| Sleeving  | Yes       |
| Packaging | Bulk, Box |

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