

## ALS31A472DE100

ALS31, Aluminum, Aluminum Electrolytic, 4,700 uF, 20%, 100 VDC, -40/+85°C, 12.8 mm



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

### General Information

|                          |                                                        |
|--------------------------|--------------------------------------------------------|
| Series                   | ALS31                                                  |
| Dielectric               | Aluminum Electrolytic                                  |
| Description              | Screw Terminal, Aluminum Electrolytic                  |
| RoHS                     | Yes                                                    |
| Lead                     | Screw Terminals M5                                     |
| Mounting                 | Through-Hole                                           |
| AEC-Q200                 | No                                                     |
| Typical Component Weight | 115 g                                                  |
| Notes                    | Dimensions D And L Include Sleeving. MS (MxH) = M8x12. |
| Shelf Life               | 156 Weeks                                              |

### Dimensions

|    |                 |
|----|-----------------|
| D  | 36mm +/-1mm     |
| L  | 82mm +/-2mm     |
| T  | 7.1mm +/-0.5mm  |
| S  | 12.8mm +/-0.5mm |
| DT | 8mm +/-0.5mm    |
| LT | 87.5mm +/-1mm   |
| TD | 10mm MIN        |
| V  | 8mm NOM         |

### Packaging Specifications

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

### Specifications

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Capacitance       | 4,700 uF                                                                              |
| Tolerance         | 20%                                                                                   |
| Voltage DC        | 100 VDC, 115 VDC (Surge)                                                              |
| Temperature Range | -40/+85°C                                                                             |
| Rated Temperature | 85°C                                                                                  |
| Life              | 11000 Hrs (Rated Voltage And Ripple Current At 85C), 22000 Hrs (Rated Voltage At 85C) |
| ESR               | 33 mOhms (100Hz 20C), 27 mOhms (10kHz 20C)                                            |
| Ripple Current    | 7.9 Amps (100Hz 85C), 8.8 Amps (10kHz 85C)                                            |
| Leakage Current   | 2820 uA (5min 20°C)                                                                   |

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