

ALS31A102KE400

ALS31, Aluminum, Aluminum Electrolytic, 1,000 uF, 20%, 400 VDC, -40/+85°C, 22.2 mm



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

General Information

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|--------------------------|--|
| Series | ALS31 |
| Dielectric | Aluminum Electrolytic |
| Description | Screw Terminal, Aluminum Electrolytic |
| RoHS | Yes |
| Lead | Oval Threaded Inserts M5 |
| Mounting | Through-Hole |
| AEC-Q200 | No |
| Typical Component Weight | 220 g |
| Notes | Dimensions D And L Include Slewing. MS (MxH) = M12x16. |
| Shelf Life | 156 Weeks |

Specifications

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|-------------------|---|
| Capacitance | 1,000 uF |
| Tolerance | 20% |
| Voltage DC | 400 VDC, 440 VDC (Surge) |
| Temperature Range | -40/+85°C |
| Rated Temperature | 85°C |
| Life | 18000 Hrs (Rated Voltage And Ripple Current At 85C), 36000 Hrs (Rated Voltage at 85C) |
| ESR | 139 mOhms (100Hz 20C), 98 mOhms (10kHz 20C) |
| Ripple Current | 5.8 Amps (100Hz 85C), 10.3 Amps (10kHz 85C) |
| Leakage Current | 2400 uA (5min 20°C) |

Dimensions

| | |
|----|-----------------|
| D | 51mm +/-1mm |
| L | 82mm +/-2mm |
| T | 5.5mm +/-0.5mm |
| S | 22.2mm +/-0.5mm |
| DT | 13mm +/-0.5mm |
| LT | 86.5mm +/-1mm |
| TD | 10mm MIN |
| V | 13.7mm NOM |
| Z | 10mm NOM |

Packaging Specifications

| | |
|-----------|-----------|
| Slewing | Yes |
| Packaging | Bulk, Box |

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