

ALS31A682DF100

ALS31, Aluminum, Aluminum Electrolytic, 6,800 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 | 140 g |
| Notes | Dimensions D And L Include Slewing. MS (MxH) = M8x12. |
| Shelf Life | 156 Weeks |

Specifications

| | |
|-------------------|---|
| Capacitance | 6,800 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 85°C), 22000 Hrs (Rated Voltage At 85°C) |
| ESR | 23 mOhms (100Hz 20C), 19 mOhms (10kHz 20C) |
| Ripple Current | 10 Amps (100Hz 85C), 11.1 Amps (10kHz 85C) |
| Leakage Current | 4080 uA (5min 20°C) |

Dimensions

| | |
|----|-----------------|
| D | 36mm +/-1mm |
| L | 105mm +/-2mm |
| T | 7.1mm +/-0.5mm |
| S | 12.8mm +/-0.5mm |
| DT | 8mm +/-0.5mm |
| LT | 111.5mm +/-1mm |
| TD | 10mm MIN |
| V | 8mm NOM |

Packaging Specifications

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

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.