

## ALS81G512NJ450

ALS81, Aluminum, Aluminum Electrolytic, 5,100 uF, 20%, 450 VDC, -40/+105°C, 31.8 mm



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

### General Information

|                          |  |
|--------------------------|--|
| Series                   | ALS81  |
| Dielectric               | Aluminum Electrolytic  |
| Description              | Screw Terminal, Aluminum Electrolytic  |
| RoHS                     | Yes  |
| Lead                     | Screw Terminals M6   |
| Mounting                 | Through-Hole   |
| Optional Mounting        | Stud   |
| Halogen Free             | Yes  |
| Typical Component Weight | 766 g  |
| Notes                    | Dimensions D And L Include Slewing. MS (MxH) = M12x16. Mounting Clamp (Sold Separately): V11 |
| Shelf Life               | 156 Weeks  |

### Dimensions

|    |                      |
|----|----------------------|
| D  | 77mm +/-1mm          |
| L  | 115mm +/-2mm         |
| T  | 6.4mm +/-0.5mm       |
| S  | 31.8mm +/-0.5mm      |
| DT | 17mm +/-0.5mm        |
| LT | Available On Request |
| TD | 11.8mm MIN           |
| V  | 19mm NOM             |

### Packaging Specifications

|           |      |
|-----------|------|
| Slewing   | Yes  |
| Packaging | Tray |

### Specifications

|                   |  |
|-------------------|--|
| Capacitance       | 5,100 uF   |
| Tolerance         | 20%  |
| Voltage DC        | 450 VDC, 495 VDC (Surge)   |
| Temperature Range | -40/+105°C   |
| Rated Temperature | 105°C  |
| Life              | 9000 Hrs (Rated Voltage And Ripple Current At 105C), 15000 Hrs (Rated Voltage At 105C) |
| ESR               | 37 mOhms (100Hz 20C), 25 mOhms (10kHz 20C)   |
| Ripple Current    | 13.5 Amps (100Hz 105C), 20.2 Amps (10 kHz 105C)  |
| Leakage Current   | 6000 uA  |

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