

ALA8DE431DF500

ALA8D, Aluminum, Aluminum Electrolytic, 430 uF, 20%, 500 VDC, -40/+105°C, 22.5 mm



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

General Information

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|--------------------------|---|
| Series | ALA8D |
| Dielectric | Aluminum Electrolytic |
| Description | Snap-In, Aluminum Electrolytic |
| RoHS | Yes |
| Lead | 4 Pin |
| Qualifications | AEC-Q200 |
| Halogen Free | Yes |
| Typical Component Weight | 80 g |
| Miscellaneous | Vibration: <= 35mm 1.5mm displacement amplitude or 20G maximum acceleration. Vibration applied for three directions of 4-hour sessions at 10 - 2,000 Hz. (Capacitor clamped by body). |
| Shelf Life | 156 Weeks |

Specifications

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|-------------------|--|
| Capacitance | 430 uF |
| Tolerance | 20% |
| Voltage DC | 500 VDC, 550 VDC (Surge) |
| Temperature Range | -40/+105°C |
| Rated Temperature | 105°C |
| Life | 8000 Hrs (Rated Voltage And Ripple Current At 105C), 13000 Hrs (Rated Voltage at 105C) |
| ESR | 484 mOhms (100Hz 20C), 357.6 mOhms (10kHz 20C) |
| Ripple Current | 2.68 Amps (100Hz 105C), 6.06 Amps (10kHz 105C) |
| Leakage Current | 645 uA (5min 20°C) |

Dimensions

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|----|-----------------|
| D | 35mm +1mm |
| L | 50mm +/-2mm |
| S | 22.5mm +/-0.1mm |
| LL | 4mm +/-1mm |
| F | 2mm +/-0.1mm |

Packaging Specifications

| | |
|--------------------|------|
| Packaging | Tray |
| Packaging Quantity | 100 |

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