

**KEMET Part Number: ALA8DA431DD450**  
(A543EF431M450A)

ALA8D, Aluminum Electrolytic, 430 uF, 20%, 450 VDC, -40/+105°C



| Dimensions |               |
|------------|---------------|
| D          | 35mm +1mm     |
| L          | 40mm +/-2mm   |
| S          | 10mm +/-0.1mm |
| LL         | 6.3mm +/-1mm  |
| F          | 2mm +/-0.1mm  |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging:               | Bulk, Bag |
| Packaging Quantity:      | 100       |

| General Information |   |
|---------------------|---|
| Series:             | ALA8D   |
| Dielectric:         | Aluminum Electrolytic   |
| Description:        | Snap-In, Aluminum Electrolytic  |
| RoHS:               | Yes   |
| Lead:               | 2 Pin   |
| Qualifications:     | AEC-Q200  |
| AEC-Q200:           | Yes   |
| Halogen Free:       | Yes   |
| Component Weight:   | 65 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         |  |
|------------------------|--|
| Capacitance:           | 430 uF   |
| Capacitance Tolerance: | 20%  |
| Voltage DC:            | 450 VDC, 495 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) |
| Resistance:            | 323 mOhms (100Hz 20C), 190.8 mOhms (10kHz 20C)   |
| Ripple Current:        | 2.37 Amps (100Hz 105C), 5.91 Amps (10kHz 105C)   |
| Leakage Current:       | 580.5 uA (5min 20°C)   |

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