

**KEMET Part Number: ALA7DA431CD400**  
(A542DF431M400A)

ALA7D, Aluminum Electrolytic, 430 uF, 20%, 400 VDC, -40/+85°C



| Dimensions |               |
|------------|---------------|
| D          | 30mm +1mm     |
| L          | 40mm +/-2mm   |
| S          | 10mm +/-0.1mm |
| LL         | 6.3mm +/-1mm  |
| F          | 2mm +/-0.1mm  |

| Packaging Specifications |           |
|--------------------------|-----------|
| Weight:                  | 50 g      |
| Packaging:               | Bulk, Bag |
| Packaging Quantity:      | 160       |

| General Information |                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series:             | ALA7D                                                                                                                                                                                 |
| Dielectric:         | Aluminum Electrolytic                                                                                                                                                                 |
| Description:        | Snap-In, Aluminum Electrolytic                                                                                                                                                        |
| RoHS:               | Yes                                                                                                                                                                                   |
| Lead:               | 2 Pin                                                                                                                                                                                 |
| Qualifications:     | AEC-Q200                                                                                                                                                                              |
| AEC-Q200:           | Yes                                                                                                                                                                                   |
| 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:            | 400 VDC, 440 VDC (Surge)                                                              |
| Temperature Range:     | -40/+85°C                                                                             |
| Rated Temperature:     | 85°C                                                                                  |
| Life:                  | 13000 Hrs (Rated Voltage And Ripple Current At 85C), 21000 Hrs (Rated Voltage at 85C) |
| Resistance:            | 408.6 mOhms (100Hz 20C), 250.4 mOhms (10kHz 20C)                                      |
| Ripple Current:        | 2.03 Amps (100Hz 85C), 4.42 Amps (10kHz 85C)                                          |
| Leakage Current:       | 1032 uA (5min 20°C)                                                                   |

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