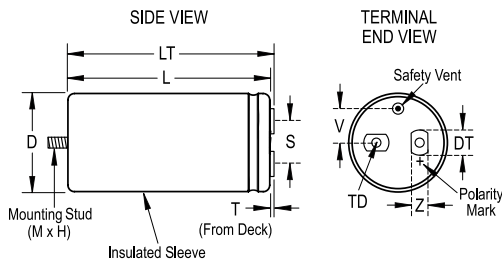


KEMET Part Number: ALS31A332QP500  
(A431US332M500A)



ALS31, Aluminum Electrolytic, 3,300 uF, 20%, 500 VDC, -40/+85°C



General Information

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Series:           | ALS31                                                  |
| Dielectric:       | Aluminum Electrolytic                                  |
| Description:      | Screw Terminal, Aluminum Electrolytic                  |
| RoHS:             | Yes                                                    |
| AEC-Q200:         | No                                                     |
| Component Weight: | 1.345 kg                                               |
| Notes:            | Dimensions D And L Include Slewing. MS (MxH) = M12x16. |
| Shelf Life:       | 156 Weeks                                              |

Dimensions

|    |                 |
|----|-----------------|
| D  | 90mm +/-1mm     |
| L  | 146mm +/-2mm    |
| T  | 5.5mm +/-0.5mm  |
| S  | 31.8mm +/-0.5mm |
| DT | 13mm +/-0.5mm   |
| LT | 149.5mm +/-1mm  |
| TD | 10mm MIN        |
| V  | 25mm NOM        |
| Z  | 10mm NOM        |

Specifications

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| Capacitance:           | 3,300 uF                                                                              |
| Capacitance Tolerance: | 20%                                                                                   |
| Voltage DC:            | 500 VDC, 550 VDC (Surge)                                                              |
| Temperature Range:     | -40/+85°C                                                                             |
| Rated Temperature:     | 85°C                                                                                  |
| Life:                  | 20000 Hrs (Rated Voltage And Ripple Current At 85C), 40000 Hrs (Rated Voltage At 85C) |
| Resistance:            | 51 mOhms (100Hz 20C), 32 mOhms (10kHz 20C)                                            |
| Ripple Current:        | 19 Amps (100Hz 85C), 28.3 Amps (10kHz 85C)                                            |
| Leakage Current:       | 6000 uA (5min 20°C)                                                                   |

Packaging Specifications

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

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