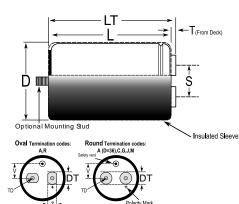
## KEMET Part Number: ALS30A682NT450

(A331TW682M450A)



## Capacitor, aluminum, 6800 uF, +/-20% Tol, -40/+85C, 450VDC@85° C



| Dimensions (mm) |           |           |  |
|-----------------|-----------|-----------|--|
| Symbol          | Dimension | Tolerance |  |
| D               | 77        | +/-1      |  |
| L               | 220       | +/-2      |  |
| LT              | 224.5     | +/-1      |  |
| S               | 31.8      | +/-0.5    |  |
| Т               | 5.5       | +/-0.5    |  |
| TD              | 10        | MIN       |  |
| DT              | 13        | +/-0.5    |  |
| V               | 19        | NOM       |  |
| Z               | 10        | NOM       |  |

Notes: -Dimensions D and L include sleeving

| General Information    |   |  |
|------------------------|---|--|
| Supplier:              | KEMET                                   |  |
| Part Type Description: | Computer Grade Aluminum<br>Electrolytic |  |
| Style:                 | Computer Grade                          |  |
| Lead Type:             | Oval Threaded Inserts- M5               |  |
| Mounting Type:         | Clip- V11                               |  |
| Weight:                | 1450 g                                  |  |

| Specifications             |           |  |
|----------------------------|-----------|--|
| Capacitance:               | 6800 uF   |  |
| Tolerance:                 | +/-20%    |  |
| Rated Temperature:         | 85° C     |  |
| Voltage @ rated temp:      | 450VDC    |  |
| VDC Surge:                 | 495VDC    |  |
| Transient Voltage:         | 550V      |  |
| Life @ rated temp:         | 20000 Hrs |  |
| RoHS:                      | Yes       |  |
| Low Z/ESR:                 | Yes       |  |
| Temperature Range:         | -40/+85C  |  |
| ESR at 100Hz @ room temp:  | 21 mOhm   |  |
| ESR at 120Hz @ room temp:  | 20 mOhm   |  |
| ESR at 100kHz @ room temp: | 14 mOhm   |  |
| Leakage Current:           | 6 mA      |  |
| Leakage Condition:         | 5min/20c  |  |
| Impedance @ 10kHz:         | 14 mOhm   |  |
| Impedance @ 100kHz:        | 20 mOhm   |  |
| Ripple 100Hz @ rated temp: | 27.4 A    |  |
| Ripple 10kHz @ rated temp: | 38.8 A    |  |

## Packaging Specifications Package Kind: Bulk

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