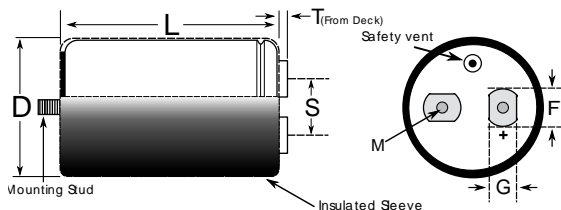


KEMET Part Number: ALS31A681KE450
(A431LH681M450A)

Capacitor, aluminum, 680 uF, +/-20% Tol, -40/+85C, 450V@85C



| Dimensions (mm) | | |
|-----------------|-----------|-----------|
| Symbol | Dimension | Tolerance |
| D | 51 | +/-1 |
| L | 82 | +/-2 |
| S | 22.2 | +/-0.5 |
| T | 5.5 | +/-0.5 |
| F | 13 | +/-0.5 |
| G | 10 | nom |
| M | 5 | |

Notes:
-Dimensions D and L include sleeving

| General Information | |
|------------------------|--------------------------------------|
| Manufacturer: | KEMET |
| Part Type Description: | Computer Grade Aluminum Electrolytic |
| Style: | Computer Grade |
| Lead Type: | Oval Threaded Inserts- M5 |
| Mounting Type: | Stud- M12x16 |

| Specifications | |
|----------------------------|----------|
| Capacitance: | 680 uF |
| Tolerance: | +/-20% |
| Rated Temperature: | 85C |
| Voltage @ rated temp: | 450V |
| VDC Surge: | 495WVDC |
| Transient Voltage: | 550V |
| Life @ rated temp: | 18000 h |
| RoHS: | Yes |
| Low Z/ESR: | Yes |
| Temperature Range: | -40/+85C |
| ESR at 100Hz @ room temp: | 175 mOhm |
| ESR at 120Hz @ room temp: | 164 mOhm |
| ESR at 100kHz @ room temp: | 110 mOhm |
| Leakage Current: | 1.836 mA |
| Leakage Condition: | 5min/20c |
| Impedance @ 10kHz: | 117 mOhm |
| Impedance @ 100kHz: | 110 mOhm |
| Ripple 100Hz @ rated temp: | 4.9 A |
| Ripple 10kHz @ rated temp: | 9.9 A |

| Packaging Specifications | |
|--------------------------|------|
| Package Kind: | Bulk |