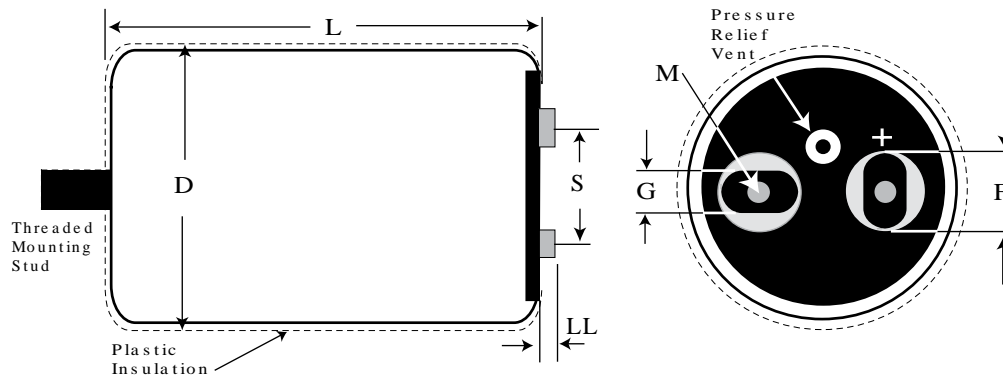


A451QM102M500A

aka PEH200ZO4100MB2

Capacitor, aluminum, 1000 uF, +/-20% Tol, -40/+85C, 500V@85C



Dimensions (mm)

| ID | Dimension | Tolerance |
|----|-----------|-----------|
| D | 66.6 | +/-1 |
| L | 109.2 | +/-1 |
| S | 28.5 | +/-0.5 |
| LL | 7 | +/-0.5 |
| F | 15 | +/-0.5 |
| G | 13 | nom |
| M | 5 | |

Specifications

| | |
|----------------------------|--|
| Manufacturer: | KEMET |
| Capacitance: | 1000 uF |
| Rated Temperature: | 85C |
| Voltage @ rated temp: | 500V |
| VDC Surge: | 550VVDC |
| Life @ rated temp: | 12600 h |
| Temperature Range: | -40/+85C |
| RoHS: | Yes |
| Low ESR: | Yes |
| Low Impedance: | Yes |
| Tolerance: | +/-20% |
| Part Type Description: | Radial Cylindrical Aluminum Electrolytic |
| Style: | Computer Grade |
| Lead Type: | Threaded Inserts with Mounting Stud |
| Lead Form: | Oval Terminals |
| Lead Specification: | m5 |
| ESR at 100Hz @ room temp: | 130 mOhm |
| ESR at 120Hz @ room temp: | 124 mOhm |
| ESR at 1kHz @ room temp: | 84 mOhm |
| ESR at 100kHz @ room temp: | 79 mOhm |
| Leakage Current: | 1.5 mA |
| Leakage Condition: | 5min/20c |
| Impedance @ 10kHz: | 81 mOhm |
| Impedance @ 100kHz: | 80 mOhm |
| Ripple 100Hz @ rated temp: | 6.8 A |
| Ripple 120Hz @ rated temp: | 6.9 A |
| Ripple 10kHz @ rated temp: | 10.1 A |
| Ripple 20kHz @ rated temp: | 10.1 A |
| Ripple 10kHz @ alt temp: | 15.5 A |
| Ripple 10kHz alt temp: | 40C |
| Miscellaneous Electrical: | series (ALS30), Ripple10k_50C(2m/s forced air)=15500 |
| Package Kind: | Bulk |
| Package Quantity: | 12 |