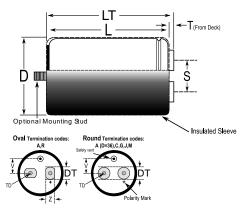
KEMET Part Number: ALS30A102KE415

(A331LH102M415A)



Capacitor, aluminum, 1000 uF, +/-20% Tol, -40/+85C, 415VDC@85° C



| Dimensions (mm) | | | | |
|-----------------|-----------|-----------|--|--|
| Symbol | Dimension | Tolerance | | |
| D | 51 | +/-1 | | |
| L | 82 | +/-2 | | |
| LT | 86.5 | +/-1 | | |
| S | 22.2 | +/-0.5 | | |
| Т | 5.5 | +/-0.5 | | |
| TD | 10 | MIN | | |
| DT | 13 | +/-0.5 | | |
| V | 13.7 | NOM | | |
| Z | 10 | NOM | | |

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-Dimensions D and L include sleeving

| General Information | |
|------------------------|---|
| Supplier: | KEMET |
| Part Type Description: | Computer Grade Aluminum Electrolytic |
| Style: | Computer Grade |
| Lead Type: | Oval Threaded Inserts- M5 |
| Mounting Type: | Clip- V4/UTE2737 |
| Weight: | 220 g |

| Specifications | |
|----------------------------|-----------|
| Capacitance: | 1000 uF |
| Tolerance: | +/-20% |
| Rated Temperature: | 85° C |
| Voltage @ rated temp: | 415VDC |
| VDC Surge: | 456.5VDC |
| Transient Voltage: | 530V |
| Life @ rated temp: | 18000 Hrs |
| RoHS: | Yes |
| Low Z/ESR: | Yes |
| Temperature Range: | -40/+85C |
| ESR at 100Hz @ room temp: | 136 mOhm |
| ESR at 120Hz @ room temp: | 128 mOhm |
| ESR at 100kHz @ room temp: | 88 mOhm |
| Leakage Current: | 2.49 mA |
| Leakage Condition: | 5min/20c |
| Impedance @ 10kHz: | 94 mOhm |
| Impedance @ 100kHz: | 89 mOhm |
| Ripple 100Hz @ rated temp: | 5.7 A |
| Ripple 10kHz @ rated temp: | 10.4 A |

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

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