

CAPACITOR

Aluminum Electrolytic Capacitor Series

KLS10 - CD293 (BZ) Series

Standard

Medium and high voltage, standard.



| Item | Characteristics | | | | |
|---|---|--|----------|-------|-------|
| Size and its tolerance | D ± 1.5 | 16 | 22 | 25 | 30 |
| | L ± 3 | 25 | 30,35,40 | 40,50 | 40,50 |
| Operating Temp. Range | 40°C ~ +85°C | | | | |
| Rated Working Voltage | 160 ~ 400V | | | | |
| Nominal Capacitance Range | 33 ~ 470 µ F | | | | |
| Capacitance Tolerance | -10% ~ 50% | | | | |
| Dissipation Factor tg δ (20°C, 100Hz) | U _R (V) | < 350 | | ≥ 350 | |
| | tg δ | 0.18 | | 0.23 | |
| Leakage Current | I ≤ 0.03·C _R ·U _R (µ A) or 3mA (which is smaller) | | | | |
| Temperature Characteristics (impedance ratio at 100Hz) | U _R (V) | 160 | | > 160 | |
| | Z-25°C/Z+20°C | ≤ 4 | | ≤ 7 | |
| Load Life | At +85°C after applying rated voltage with sepecified ripple current for 1000 hours . | | | | |
| | ΔC | ± 15% of initial measured value | | | |
| | DF (tg δ) | ≤ 150% of initial specified value or 0.4(which is greater) | | | |
| Shelf Life | At +85°C after storage for 500 hours then resumed 16 hours | | | | |
| | ΔC | ± 20% of initial measured value | | | |
| | DF (tg δ) | ≤ 120% of initial specified value | | | |
| | LC(I _L) | ≤ 200% of initial specified value | | | |

Nominal Capacitance, Rated Voltage, Surge Voltage and Case Size Table:

| DxL(mm) U _S (V) U _R (V) C _R (µ F) | 160 | 200 | 250 | 315 | 350 | 400 |
|---|-------|-------|-------|-------|-------|-------|
| | 200 | 250 | 300 | 365 | 400 | 450 |
| 33 | | | | | | 22×30 |
| 47 | | | | | | 22×30 |
| 68 | | | 16×25 | 22×30 | 22×30 | 22×40 |
| 100 | 22×30 | 22×30 | | 22×40 | 22×40 | 25×40 |
| 150 | 22×30 | 22×30 | 22×40 | 25×40 | 25×40 | 25×50 |
| 200 | 25×40 | 25×40 | 25×40 | 25×50 | 25×50 | 30×50 |
| | | 22×35 | 25×50 | 30×40 | 30×50 | 25×40 |
| 330 | 25×40 | 25×50 | 30×40 | | | 30×45 |
| 470 | 25×40 | 30×50 | | | | 30×50 |
| | 25×50 | | | | | |

Note: We can also provide the capacitors according to the customer's request.