

CAPACITOR

Aluminum Electrolytic Capacitor Series

KLS10 - AK20 (AB) Series

Axial Bi-polar

Specialy designed for use in speaker dividiny net work for high ripple current.



| Item | Characteristics | | | | | | | | | | |
|----------------------------|---|-----------------------------------|----|----|----|----|-------------|----|----|----|--|
| Size and its tolerance | ∅D | ±0.5 | | | | | ±1.0 | | | | |
| | | | 8 | 10 | | 12 | 13 | 16 | 18 | 22 | |
| | L ± 2 | 16 | 19 | 21 | 23 | 26 | 31 | 32 | 40 | 45 | |
| | d ± 0.1 | 0.6 | | | | | 0.8 | | | | |
| Operating Temp. Range | -40°C ~ +85°C | | | | | | | | | | |
| Rated Working Voltage | 50 ~ 100V | | | | | | | | | | |
| Capacitance Range | 1.0 ~ 220 μ F | | | | | | | | | | |
| Capacitance Tol. | ± 10%(1000Hz) | | | | | | | | | | |
| Dissipation Factor tg δ | UR(V) | 50V | | | | | 100V | | | | |
| | 1000Hz | | | | | | tg δ ≤ 0.10 | | | | |
| Leakage Current IL | ≤ 0.03·CR·UR+4 μ A (After 2 minutes application of UR) | | | | | | | | | | |
| Load Life | The following specifications shall be satisfied when the capacitors are restored to 25°C after rated Dc voltage applied for 1000 hours at 85°C, During this test the rated Dc voltage shall be reversed on the capacitor every 125 hours: | | | | | | | | | | |
| | ΔC | ± 20% of initial measured value | | | | | | | | | |
| | DF(tg δ) | ≤ 150% of initial specified value | | | | | | | | | |
| | LC(IL) | ≤ initial specified value | | | | | | | | | |

Case Size of Standard Products

| CR (μ F) | UR (V) | 50V | 100V |
|------------|----------|---------|---------|
| 1 μ F | | 8 × 16 | 8 × 16 |
| | | 10 × 19 | 10 × 19 |
| 1.5 μ F | | 8 × 16 | 8 × 16 |
| | | 10 × 19 | 10 × 19 |
| 2.2 μ F | | 8 × 16 | 8 × 16 |
| | | 10 × 19 | 10 × 19 |
| 3.3 μ F | | 8 × 16 | 8 × 16 |
| | | 10 × 19 | 10 × 19 |
| 4.7 μ F | | 8 × 16 | 8 × 16 |
| | | 10 × 19 | 10 × 19 |
| 6.8 μ F | | 10 × 19 | 10 × 19 |
| | | 12 × 23 | 12 × 23 |
| 10 μ F | | 12 × 23 | 12 × 23 |
| | | 12 × 23 | 12 × 23 |
| 15 μ F | | 12 × 23 | 12 × 23 |
| | | 12 × 23 | 12 × 23 |
| 22 μ F | | 12 × 23 | 12 × 23 |
| | | 13 × 31 | 13 × 31 |
| | | 16 × 32 | 16 × 32 |
| 33 μ F | | 13 × 31 | 13 × 31 |
| | | 16 × 32 | 16 × 32 |
| 40 μ F | | 16 × 32 | 16 × 32 |
| | | 16 × 32 | 16 × 32 |
| 47 μ F | | 16 × 32 | 16 × 32 |
| | | 16 × 32 | 16 × 32 |
| 68 μ F | | 16 × 32 | 16 × 32 |
| | | 16 × 32 | 16 × 32 |
| 100 μ F | | 18 × 40 | 18 × 40 |
| | | 18 × 40 | 18 × 40 |
| 150 μ F | | 18 × 40 | 18 × 40 |
| | | 18 × 40 | 18 × 40 |
| 220 μ F | | 18 × 40 | 18 × 40 |