

LARGE CAN TYPE



Series

Snap-in Terminal Type, Miniature Sized

JAMICON®

- Withstanding 5000 hours application of high ripple current at 85°C.

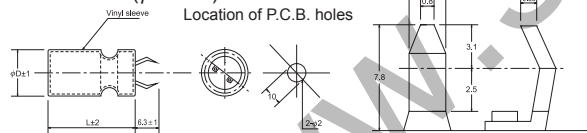


● SPECIFICATION

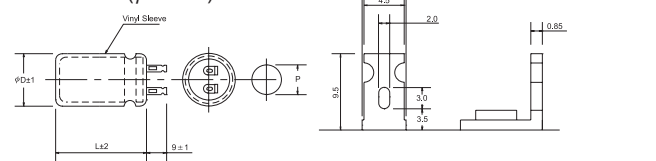
| Item | Characteristic | | | | | | | | | | |
|--|---|-----------------------------------|------|------|------|------|---------|------|------|--|--|
| Operation Temperature Range | -40 ~ +85°C | | | | | | | | | | |
| Rated Working Voltage | 160 ~ 450VDC | | | | | | | | | | |
| Capacitance Tolerance (120Hz 20°C) | ±20%(M) | | | | | | | | | | |
| Leakage Current (20°C) | $I \leq 0.02CV$ or 3 (mA) *Whichever is smaller after 5 minutes I : Leakage Current(μA) C : Rated Capacitance(μF) V : Working Voltage(V) | | | | | | | | | | |
| Surge Voltage (20°C) | W.V. | 160 | 200 | 250 | 350 | 385 | 400 | 420 | 450 | | |
| | S.V. | 200 | 250 | 300 | 400 | 420 | 450 | 470 | 500 | | |
| Dissipation Factor (tan δ) (120Hz 20°C) | Rated Voltage (V) | 160 | 200 | 250 | 350 | 385 | 400 | 420 | 450 | | |
| | tan δ | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | | |
| Low Temperature Stability | Impedance ratio at 120Hz | | | | | | | | | | |
| | Rated Voltage (V) | 160~250 | | | | | 350~450 | | | | |
| | -25°C / +20°C | 4 | | | | | 6 | | | | |
| Load Life | After 5000 hours application of W.V. and +85°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage ≤ rate working voltage) | | | | | | | | | | |
| | Capacitance Change | ≤ ±20% of initial value | | | | | | | | | |
| | Dissipation Factor | ≤ 175% of initial specified value | | | | | | | | | |
| | Leakage current | ≤ initial specified value | | | | | | | | | |
| Shelf Life | At +85°C, no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (With voltage treatment) | | | | | | | | | | |

● TERMINAL TYPE

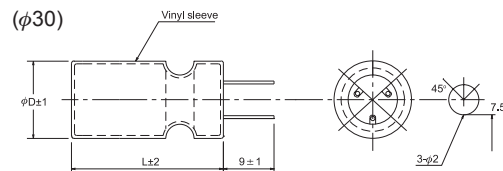
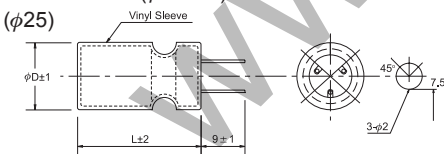
▲ P.C.B. TERMINAL (SNAP IN) SYMBOL:W(φ22~35)



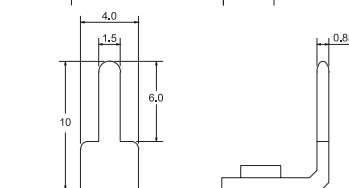
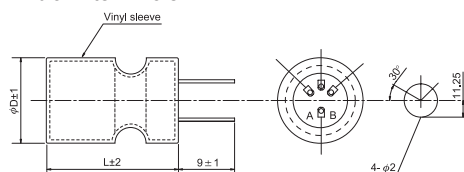
▲ LUG TERMINAL SYMBOL:G(φ22~35)



▲ P.C.B. TERMINAL SYMBOL:V(φ25~35)



(φ35) A.B. blank terminals



● RIPPLE CURRENT COEFFICIENTS

| Temperature(°C) | 40 | 60 | 70 | 85 |
|-----------------|------|------|------|------|
| Multiplier | 1.80 | 1.40 | 1.20 | 1.00 |

| Frequency(Hz) | 60 | 120 | 400 | 1k | 10k |
|---------------|------------|------|------|------|------|
| W.V. | Multiplier | | | | |
| ≥ 160V | 0.80 | 1.00 | 1.10 | 1.30 | 1.40 |

● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
 Max ripple current : A(rms) 85°C 120Hz

| μF | V(Code) Code | φD | 160 (2C) | | | | 200 (2D) | | | | 250 (2E) | | | |
|------|-----------------|----|----------|------|------|----|----------|------|------|----|----------|------|------|-------|
| | | | 22 | 25 | 30 | 35 | 22 | 25 | 30 | 35 | 22 | 25 | 30 | 35 |
| 150 | 151 | | | | | | | | | | 25 | | | |
| | | | | | | | | | | | 0.94 | | | |
| 220 | 221 | | 25 | | | | 25 | | | | 30 | 25 | | |
| | | | 1.13 | | | | 1.13 | | | | 1.24 | 1.24 | | |
| 330 | 331 | | 30 | | | | 30 | 25 | | | 40 | 30 | | |
| | | | 1.44 | | | | 1.44 | 1.55 | | | 1.65 | 1.65 | | |
| 470 | 471 | | 35 | 30 | | | 40 | 30 | 25 | | 40 | 30 | | |
| | | | 1.85 | 1.85 | | | 1.96 | 1.96 | 1.96 | | 2.16 | 2.06 | | |
| 560 | 561 | | | | | | | | | | 45 | 35 | 25 | |
| | | | | | | | | | | | 2.50 | 2.50 | 2.50 | |
| 680 | 681 | | 45 | 35 | 30 | | 40 | 30 | | | 40 | 30 | | |
| | | | 2.47 | 2.47 | 2.47 | | 2.58 | 2.47 | | | 2.78 | 2.78 | | |
| 1000 | 102 | | 45 | 35 | 30 | | 40 | 35 | | | | | 40 | |
| | | | 3.19 | 3.19 | 3.19 | | 3.40 | 3.61 | | | | | 3.71 | |
| 1500 | 152 | | | 45 | 40 | | | 45 | | | | | | |
| | | | | 4.33 | 4.33 | | | 4.74 | | | | | | |
| 2200 | 222 | | | | 50 | | | | | | | | | L(mm) |
| | | | | | 5.97 | | | | | | | | | R.C. |

| μF | V(Code) Code | φD | 350 (2V) | | | | 385 (2X) | | | | 400 (2G) | | | |
|-----|-----------------|----|----------|------|------|----|----------|------|------|----|----------|------|------|-------|
| | | | 22 | 25 | 30 | 35 | 22 | 25 | 30 | 35 | 22 | 25 | 30 | 35 |
| 68 | 680 | | 25 | | | | 25 | | | | 25 | | | |
| | | | 0.63 | | | | 0.63 | | | | 0.63 | | | |
| 100 | 101 | | 30 | 25 | | | 30 | 25 | | | 30 | 25 | | |
| | | | 0.81 | 0.82 | | | 0.81 | 0.82 | | | 0.81 | 0.82 | | |
| 120 | 121 | | | | | | | | | | 35 | 30 | | |
| | | | | | | | | | | | 0.95 | 0.95 | | |
| 150 | 151 | | 40 | 30 | | | 40 | 30 | | | 40 | 35 | 25 | |
| | | | 1.13 | 1.03 | | | 1.13 | 1.03 | | | 1.13 | 1.13 | 1.13 | |
| 180 | 181 | | | | | | | | | | 40 | 30 | | |
| | | | | | | | | | | | 1.24 | 1.24 | | |
| 220 | 221 | | 50 | 40 | 30 | | 50 | 40 | 30 | | 40 | 35 | | |
| | | | 1.44 | 1.44 | 1.44 | | 1.44 | 1.44 | 1.44 | | 1.44 | 1.55 | | |
| 270 | 271 | | | | | | | | | | 45 | 35 | 25 | |
| | | | | | | | | | | | 1.65 | 1.65 | 1.65 | |
| 330 | 331 | | 50 | 40 | 30 | | 50 | 40 | 30 | | | 45 | 35 | |
| | | | 1.96 | 1.96 | 1.96 | | 1.96 | 1.96 | 1.96 | | | 2.06 | 2.06 | |
| 390 | 391 | | | | | | | | | | | 50 | 40 | |
| | | | | | | | | | | | | 2.27 | 2.27 | |
| 470 | 471 | | | 50 | 40 | | | 50 | 40 | | | | | 45 |
| | | | | 2.58 | 2.58 | | | 2.58 | 2.58 | | | | | 2.68 |
| 560 | 561 | | | | 45 | | | | 45 | | | | | 50 |
| | | | | | 2.88 | | | | 2.88 | | | | | 2.99 |
| 680 | 681 | | | | 50 | | | | 50 | | | | | L(mm) |
| | | | | | 3.12 | | | | 3.12 | | | | | R.C. |

● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
 Max ripple current : A(rms) 85°C 120Hz

| μF | V(Code) Code | φD | 420 (2Y) | | | | 450 (2W) | | | |
|-----|-----------------|----|----------|------|------|------|----------|------|------|-------|
| | | | 22 | 25 | 30 | 35 | 22 | 25 | 30 | 35 |
| 47 | 470 | | | | | | 25 | | | |
| | | | | | | | 0.53 | | | |
| 68 | 680 | | | | | | 30 | 25 | | |
| | | | | | | | 0.67 | 0.68 | | |
| 100 | 101 | | 30 | 25 | | | 40 | 30 | 25 | |
| | | | 0.81 | 0.82 | | | 0.91 | 0.89 | 0.93 | |
| 120 | 121 | | 40 | 30 | | | | | | |
| | | | 0.97 | 0.97 | | | | | | |
| 150 | 151 | | 45 | 35 | 25 | | 50 | 40 | 30 | |
| | | | 1.11 | 1.14 | 1.15 | | 1.20 | 1.24 | 1.13 | |
| 180 | 181 | | 50 | 35 | 30 | | | 45 | 35 | 30 |
| | | | 1.30 | 1.25 | 1.30 | | | 1.34 | 1.34 | 1.34 |
| 220 | 221 | | | 40 | 35 | | | | 40 | 30 |
| | | | | 1.45 | 1.50 | | | | 1.55 | 1.55 |
| 270 | 271 | | | 50 | 35 | 30 | | | 45 | 35 |
| | | | | 1.70 | 1.67 | 1.76 | | | 1.85 | 1.85 |
| 330 | 331 | | | | 45 | 35 | | | | 40 |
| | | | | | 2.02 | 2.04 | | | | 2.16 |
| 390 | 391 | | | | 50 | 40 | | | | |
| | | | | | 2.29 | 2.29 | | | | |
| 470 | 471 | | | | | 45 | | | | 50 |
| | | | | | | 2.66 | | | | 2.78 |
| 560 | 561 | | | | | 50 | | | | L(mm) |
| | | | | | | 3.02 | | | | R.C. |

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