

LJ

Long Life Series

Upgrade

- Endurance: 105°C 3000 hours
- Recommended Applications : Smoothing circuit, TV/Monitor, Adapter, SMPS
- Corresponding product to RoHS

550V
LINEUP

LJ

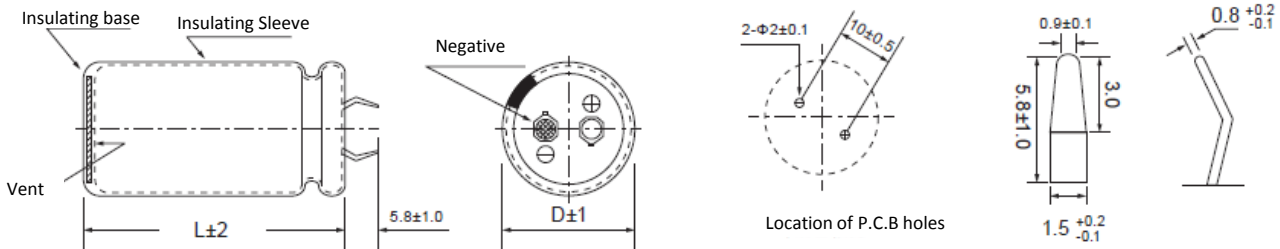
↑ Long Life
LG



■ SPECIFICATIONS

| Item | Characteristics | | | | | | | | | |
|--|--|---------------------------------------|------|-----|-------|--------------|---------|---------|---------|---------|
| Category Temperature Range | -40 ~ +105°C | | | | | -25 ~ +105°C | | | | |
| Rated Voltage Range | 10 ~ 100VDC | | | | | 160 ~ 550VDC | | | | |
| Rated Capacitance Range | 560 ~ 68000 µF | | | | | 47 ~ 2200 µF | | | | |
| Capacitance Tolerance | ± 20 % (120Hz , 20°C) | | | | | | | | | |
| Leakage Current (20°C) | I = 3√CV. (After rated voltage applied for 5minutes) I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V) | | | | | | | | | |
| Dissipation Factor(MAX) (tan δ) (120Hz ,20°C) | WV | 10~16 | 25 | 35 | 50 | 63 | 80~100 | 160~400 | 420~450 | 500~550 |
| | tan δ | 0.55 | 0.45 | 0.4 | 0.35 | 0.3 | 0.25 | 0.15 | 0.2 | 0.25 |
| Low Temperature Stability Impedance Ratio (MAX) | Measurement frequency : 120Hz | | | | | | | | | |
| | Rated voltage(V) | 10~16 | 25 | 35 | 50~63 | 80~100 | 160~400 | 450 | 500 | 550 |
| | Z-25°C / Z+20°C | 4 | 3 | 3 | 2 | 2 | 4 | 8 | 8 | 8 |
| Z-40°C / Z+20°C | 15 | 10 | 8 | 6 | 5 | — | — | — | — | |
| Endurance | After applying rated voltage with rated Ripple current for 3000hrs at 105°C , the capacitor shall meet the following requirement. | | | | | | | | | |
| | Capacitance change | Within ± 20% of initial value | | | | | | | | |
| | D.F. (tan δ) | Not more than 200% of specified value | | | | | | | | |
| Shelf Life | After placed at 105°C without voltage applied for 1000 hours,the capacitor shall meet the same requirements as Endurance. | | | | | | | | | |

■ Dimensions [mm]



■ Multiplier for Ripple Current

| Freq. (Hz) | 50 | 60 | 120 | 400 | 1K | 2.4K | 5K | 10K~100K |
|------------|------|------|------|------|------|------|------|----------|
| 10~450V | 0.80 | 0.85 | 1.00 | 1.14 | 1.23 | 1.30 | 1.36 | 1.40 |
| 500~550V | 0.70 | 0.72 | 1.00 | 1.16 | 1.30 | 1.32 | 1.36 | 1.41 |

STANDARD RATINGS

| Rated Voltage (SurageVoltage) (V) | Cap (μ F) | Case size Φ DxL(mm) | Ripple current (A/rms105°C) (120Hz) | ESR (Ω,20°C) (120Hz) | Rated Voltage (SurageVoltage) (V) | Cap (μ F) | Case size Φ DxL(mm) | Ripple current (A/rms105°C) (120Hz) | ESR (Ω,20°C) (120Hz) | | |
|-----------------------------------|-----------|---------------------|-------------------------------------|----------------------|-----------------------------------|-----------|---------------------|-------------------------------------|----------------------|--------|--------|
| 10(13) | 10000 | 22x25 | 1.80 | 0.073 | 25(32) | 12000 | 25x45 | 3.22 | 0.050 | | |
| | 12000 | 22x30 | 2.05 | 0.061 | | | 30x35 | 3.19 | 0.050 | | |
| | | 25x25 | 2.05 | 0.061 | | | 35x25 | 3.10 | 0.050 | | |
| | 15000 | 22x35 | 2.45 | 0.049 | | 15000 | 25x50 | 3.43 | 0.040 | | |
| | | 25x30 | 2.45 | 0.049 | | | 30x40 | 3.47 | 0.040 | | |
| | | 30x25 | 2.55 | 0.049 | | | 35x30 | 3.40 | 0.040 | | |
| | 18000 | 22x40 | 2.94 | 0.041 | | 18000 | 30x45 | 3.94 | 0.033 | | |
| | | 25x30 | 2.80 | 0.041 | | | 35x35 | 3.90 | 0.033 | | |
| | | 30x30 | 3.11 | 0.041 | | 22000 | 30x50 | 4.30 | 0.027 | | |
| | 22000 | 22x45 | 3.24 | 0.033 | | | 35x40 | 4.30 | 0.027 | | |
| | | 25x35 | 3.15 | 0.033 | | 27000 | 35x45 | 4.85 | 0.022 | | |
| | | 30x30 | 3.28 | 0.033 | | | 35(44) | 2700 | 22x25 | 1.45 | 0.196 |
| | 27000 | 35x25 | 3.37 | 0.033 | | 3300 | | 22x30 | 1.60 | 0.161 | |
| | | 25x40 | 3.50 | 0.027 | | 3900 | | 22x30 | 1.80 | 0.136 | |
| | | 30x35 | 3.67 | 0.027 | | | | 4700 | 22x35 | 2.23 | 0.113 |
| | 33000 | 35x30 | 3.78 | 0.027 | | 5600 | | | 25x25 | 2.10 | 0.113 |
| | | 25x45 | 4.00 | 0.022 | | | | 22x40 | 2.41 | 0.095 | |
| | | 30x40 | 4.20 | 0.022 | | | | 25x30 | 2.30 | 0.095 | |
| | 39000 | 35x30 | 4.08 | 0.022 | | 6800 | | 30x25 | 2.37 | 0.095 | |
| 25x50 | | 4.45 | 0.019 | 22x45 | 2.68 | | | 0.078 | | | |
| 30x45 | | 4.67 | 0.019 | 8200 | 25x35 | | | 2.60 | 0.078 | | |
| 47000 | 35x35 | 4.63 | 0.019 | | 8200 | 30x30 | | 2.70 | 0.078 | | |
| | 35x40 | 4.90 | 0.016 | 22x50 | | 3.02 | | 0.065 | | | |
| | 56000 | 35x45 | 5.50 | 0.013 | | 10000 | | 25x40 | 2.93 | 0.065 | |
| 68000 | | 30x50 | 6.05 | 0.011 | 30x30 | | | 2.90 | 0.065 | | |
| | | 16(20) | 6800 | 22x25 | 1.80 | | | 0.107 | 35x25 | 2.96 | 0.065 |
| | 8200 | | | 22x30 | 2.05 | 0.089 | | 12000 | 25x45 | 3.20 | 0.0531 |
| 25x25 | | | | 2.05 | 0.089 | 30x35 | | | 3.20 | 0.0531 | |
| 10000 | 22x35 | | 2.45 | 0.073 | 35x30 | 3.30 | | | 0.0531 | | |
| | 12000 | | 25x30 | 2.45 | 0.073 | 15000 | | 25x50 | 3.64 | 0.044 | |
| | | | 22x40 | 2.73 | 0.061 | | 30x40 | 3.67 | 0.044 | | |
| 25x30 | | | 2.60 | 0.061 | 35x30 | | 3.60 | 0.044 | | | |
| 15000 | 30x25 | | 2.68 | 0.061 | 18000 | 30x45 | 4.04 | 0.035 | | | |
| | 22x45 | | 2.99 | 0.049 | | 35x35 | 4.00 | 0.035 | | | |
| | 25x35 | | 2.90 | 0.049 | | 35x40 | 4.60 | 0.029 | | | |
| 18000 | 30x30 | | 3.02 | 0.049 | 22000 | 35x50 | 5.10 | 0.024 | | | |
| | 22x50 | | 3.43 | 0.041 | | 50(63) | 1500 | 22x25 | 1.25 | 0.309 | |
| | 22000 | | 25x40 | 3.33 | | | 0.041 | 1800 | 22x30 | 1.45 | 0.258 |
| 30x30 | | | 3.30 | 0.041 | 2200 | | 22x30 | 1.60 | 0.211 | | |
| 35x25 | | | 3.37 | 0.041 | | | 25x25 | 1.60 | 0.211 | | |
| 27000 | 25x45 | | 3.70 | 0.033 | 2700 | | 22x35 | 1.80 | 0.172 | | |
| | 30x35 | | 3.70 | 0.033 | | | 25x30 | 1.80 | 0.172 | | |
| | 35x30 | | 3.81 | 0.033 | | | 3300 | 22x40 | 2.05 | 0.141 | |
| 33000 | 30x40 | | 4.15 | 0.027 | 3900 | | | 25x30 | 1.95 | 0.141 | |
| | 35x35 | 4.27 | 0.027 | 30x25 | | | | 2.01 | 0.141 | | |
| | 30x50 | 4.65 | 0.022 | 4700 | | | 22x45 | 2.27 | 0.119 | | |
| 35x40 | 4.65 | 0.022 | 5600 | | 25x35 | | 2.20 | 0.119 | | | |
| 39000 | 35x45 | 5.25 | | 0.019 | 30x30 | | 2.29 | 0.119 | | | |
| 47000 | 35x50 | 5.80 | | 0.016 | 6800 | | 22x50 | 2.50 | 0.099 | | |
| 25(32) | 3900 | 22x25 | 1.50 | 0.153 | | | 8200 | 25x40 | 2.42 | 0.099 | |
| | | 4700 | 22x30 | 1.80 | | | | 0.127 | 10000 | 30x30 | 2.40 |
| | | | 22x30 | 1.95 | 0.107 | | | 35x25 | | 2.45 | 0.099 |
| | 5600 | 25x25 | 1.95 | 0.107 | 12000 | | 25x45 | 2.70 | | 0.083 | |
| | | 6800 | 22x35 | 2.20 | | | 0.088 | 30x35 | 2.70 | 0.083 | |
| | | | 25x30 | 2.20 | | | 0.088 | 35x30 | 2.78 | 0.083 | |
| | 8200 | 22x40 | 2.47 | 0.073 | 15000 | 30x40 | 3.06 | 0.068 | | | |
| | | 25x35 | 2.50 | 0.073 | | 18000 | 35x30 | 3.00 | 0.068 | | |
| | | 30x25 | 2.45 | 0.073 | | | 22000 | 30x45 | 3.38 | 0.057 | |
| | 10000 | 22x45 | 2.75 | 0.060 | 27000 | 35x35 | | 3.35 | 0.057 | | |
| | | 25x40 | 2.80 | 0.060 | | 33000 | | 35x40 | 3.70 | 0.046 | |
| | | 30x30 | 2.75 | 0.060 | | | 39000 | 35x50 | 4.20 | 0.039 | |
| | 12000 | 22x50 | 3.13 | 0.050 | 63(79) | | | 1200 | 22x25 | 1.25 | 0.332 |

STANDARD RATINGS

| Rated Voltage (SurageVoltage) (V) | Cap (μ F) | Case size Φ DxL(mm) | Ripple current (A/rms105°C) (120Hz) | ESR (Ω,20°C) (120Hz) | Rated Voltage (SurageVoltage) (V) | Cap (μ F) | Case size Φ DxL(mm) | Ripple current (A/rms105°C) (120Hz) | ESR (Ω,20°C) (120Hz) | | |
|-----------------------------------|-----------|---------------------|-------------------------------------|----------------------|-----------------------------------|-----------|---------------------|-------------------------------------|----------------------|-------|-------|
| 63(79) | 1500 | 22x30 | 1.45 | 0.265 | 100(125) | 2200 | 25x50 | 2.75 | 0.151 | | |
| | | 22x25 | 1.45 | 0.265 | | | 30x40 | 2.75 | 0.151 | | |
| | 22x35 | 1.60 | 0.221 | 35x35 | | | 2.86 | 0.151 | | | |
| | 1800 | 25x30 | 1.60 | 0.221 | | 2700 | 30x45 | 3.08 | 0.123 | | |
| | | 22x40 | 1.89 | 0.181 | | | 35x35 | 3.05 | 0.123 | | |
| | 2200 | 25x30 | 30x25 | 1.80 | | 0.181 | 3300 | 30x50 | 3.45 | 0.100 | |
| | | | 30x25 | 1.85 | | 0.181 | | 35x40 | 3.45 | 0.100 | |
| | 2700 | 22x45 | 22x45 | 2.06 | | 0.147 | 3900 | 35x45 | 3.90 | 0.085 | |
| | | | 25x35 | 2.00 | | 0.147 | | 4700 | 35x50 | 4.30 | 0.071 |
| | | | 30x30 | 2.08 | | 0.147 | | 160(200) | 270 | 22x25 | 0.85 |
| | 3300 | 25x40 | 2.32 | 0.121 | 330 | 22x30 | 1.00 | | 0.603 | | |
| | | 30x30 | 2.30 | 0.121 | 390 | 22x30 | 1.15 | | 0.510 | | |
| | 3900 | 35x25 | 35x25 | 2.35 | | 0.121 | 25x25 | | 1.15 | 0.510 | |
| | | | 25x45 | 2.55 | 0.102 | 470 | 22x35 | | 1.30 | 0.423 | |
| | | | 30x35 | 2.55 | 0.102 | | 25x30 | | 1.30 | 0.423 | |
| | 4700 | 35x30 | 35x30 | 2.63 | 0.102 | 560 | 22x40 | | 1.57 | 0.355 | |
| | | | 25x50 | 2.83 | 0.085 | | 25x30 | | 1.50 | 0.355 | |
| | | | 30x40 | 2.86 | 0.085 | | 30x25 | | 1.54 | 0.355 | |
| | 5600 | 30x45 | 35x30 | 2.80 | 0.085 | 680 | 22x45 | | 1.75 | 0.293 | |
| | | | 30x45 | 3.18 | 0.071 | | 25x35 | 1.70 | 0.293 | | |
| 6800 | 35x35 | 30x30 | 3.15 | 0.071 | 820 | 30x30 | 1.77 | 0.293 | | | |
| | | 30x50 | 3.50 | 0.059 | | 22x50 | 2.03 | 0.243 | | | |
| 8200 | 35x40 | 35x40 | 3.50 | 0.059 | 1000 | 25x40 | 1.97 | 0.243 | | | |
| | | 35x45 | 3.90 | 0.049 | | 30x30 | 1.95 | 0.243 | | | |
| 80(100) | 820 | 22x25 | 1.20 | 0.404 | 1200 | 35x25 | 1.99 | 0.243 | | | |
| | | 22x30 | 1.35 | 0.332 | | 25x45 | 2.15 | 0.199 | | | |
| | 1000 | 22x35 | 22x35 | 1.59 | 0.276 | 1500 | 30x35 | 2.15 | 0.199 | | |
| | | | 25x25 | 1.50 | 0.276 | | 35x30 | 2.21 | 0.199 | | |
| | 1500 | 22x40 | 22x40 | 1.78 | 0.221 | 1800 | 30x40 | 2.45 | 0.166 | | |
| | | | 25x30 | 1.70 | 0.221 | | 35x35 | 2.52 | 0.166 | | |
| | 1800 | 30x25 | 30x25 | 1.75 | 0.221 | 2200 | 30x50 | 2.75 | 0.133 | | |
| | | | 22x45 | 2.01 | 0.184 | | 35x40 | 2.75 | 0.133 | | |
| | | | 25x35 | 1.95 | 0.184 | 2700 | 35x45 | 3.00 | 0.111 | | |
| | 30x30 | 2.03 | 0.184 | 2200 | 35x50 | | 3.50 | 0.090 | | | |
| | 2200 | 25x40 | 25x40 | 2.17 | 0.151 | 180(225) | 270 | 22x25 | 0.85 | 0.737 | |
| | | | 30x30 | 2.15 | 0.151 | | 330 | 22x30 | 1.10 | 0.603 | |
| | 2700 | 35x25 | 35x25 | 2.19 | 0.151 | | 390 | 22x35 | 1.32 | 0.510 | |
| | | | 25x45 | 2.45 | 0.123 | | | 25x25 | 1.25 | 0.510 | |
| | | | 30x35 | 2.45 | 0.123 | | 470 | 22x40 | 1.47 | 0.423 | |
| | 3300 | 35x30 | 35x30 | 2.52 | 0.123 | | | 25x30 | 1.40 | 0.423 | |
| | | | 30x40 | 2.75 | 0.100 | | 560 | 22x45 | 1.70 | 0.355 | |
| | 3900 | 35x35 | 35x35 | 2.83 | 0.100 | | | 25x35 | 1.63 | 0.355 | |
| | | | 30x45 | 3.13 | 0.085 | | 30x25 | 1.60 | 0.355 | | |
| | 4700 | 35x35 | 35x35 | 3.10 | 0.085 | | 680 | 22x50 | 1.87 | 0.293 | |
| 35x40 | | | 3.40 | 0.071 | 25x40 | 1.82 | | 0.293 | | | |
| 5600 | 25x50 | 3.80 | 0.059 | 820 | 30x30 | 1.80 | 0.293 | | | | |
| 100(125) | 560 | 22x25 | 1.20 | | 0.592 | 35x25 | 1.84 | 0.293 | | | |
| | | 22x30 | 1.35 | 0.488 | 25x45 | 2.05 | 0.243 | | | | |
| | 680 | 22x30 | 22x30 | 1.50 | 0.404 | 1000 | 30x35 | 2.05 | 0.243 | | |
| | | | 25x25 | 1.50 | 0.404 | | 35x30 | 2.11 | 0.243 | | |
| | 820 | 22x35 | 22x35 | 1.70 | 0.332 | 1200 | 25x50 | 2.27 | 0.199 | | |
| | | | 25x30 | 1.70 | 0.332 | | 30x40 | 2.29 | 0.199 | | |
| | 1000 | 22x40 | 22x40 | 1.97 | 0.276 | 1500 | 35x30 | 2.25 | 0.199 | | |
| | | | 25x35 | 1.99 | 0.276 | | 30x45 | 2.57 | 0.166 | | |
| | 1200 | 30x25 | 30x25 | 1.95 | 0.276 | 1800 | 35x35 | 2.55 | 0.166 | | |
| | | | 22x45 | 2.15 | 0.221 | | 35x40 | 2.85 | 0.133 | | |
| | | | 25x40 | 2.19 | 0.221 | 2200 | 35x50 | 3.10 | 0.111 | | |
| | 1500 | 30x30 | 30x30 | 2.15 | 0.221 | 200(250) | 220 | 22x25 | 0.85 | 0.905 | |
| | | | 35x25 | 2.21 | 0.221 | | 270 | 22x30 | 1.00 | 0.737 | |
| | 1800 | 25x45 | 25x45 | 2.45 | 0.184 | 330 | 22x30 | 1.15 | 0.603 | | |
| | | | 30x35 | 2.45 | 0.184 | | 25x25 | 1.15 | 0.603 | | |
| | | | 35x30 | 2.52 | 0.184 | 390 | 22x35 | 1.30 | 0.510 | | |

STANDARD RATINGS

| Rated Voltage (SurageVoltage) (V) | Cap (μ F) | Case size Φ DxL(mm) | Ripple current (A/rms105°C) (120Hz) | ESR (Ω,20°C) (120Hz) | Rated Voltage (SurageVoltage) (V) | Cap (μ F) | Case size Φ DxL(mm) | Ripple current (A/rms105°C) (120Hz) | ESR (Ω,20°C) (120Hz) |
|-----------------------------------|-----------|---------------------|-------------------------------------|----------------------|-----------------------------------|-----------|---------------------|-------------------------------------|----------------------|
| 200(250) | 390 | 25x30 | 1.30 | 0.510 | 315(365) | 390 | 30x45 | 1.71 | 0.510 |
| | | 22x40 | 1.52 | 0.423 | | | 35x30 | 1.60 | 0.510 |
| | 470 | 25x35 | 1.54 | 0.423 | | 470 | 30x50 | 1.85 | 0.423 |
| | | 30x25 | 1.49 | 0.423 | | | 35x35 | 1.75 | 0.423 |
| | | 22x45 | 1.70 | 0.355 | | 560 | 35x40 | 2.00 | 0.355 |
| | 560 | 25x35 | 1.65 | 0.355 | | 680 | 35x45 | 2.20 | 0.293 |
| | | 30x30 | 1.72 | 0.355 | 350(400) | 82 | 22x25 | 0.60 | 2.426 |
| | | 25x45 | 1.97 | 0.293 | | 100 | 22x30 | 0.70 | 1.989 |
| | 30x35 | 1.97 | 0.293 | 25x25 | | | 0.70 | 1.989 | |
| | 35x30 | 2.02 | 0.293 | 120 | | | 22x35 | 0.80 | 1.658 |
| | 820 | 25x45 | 2.20 | | | 0.243 | 25x30 | 0.80 | 1.658 |
| | | 30x35 | 2.10 | 0.243 | | 150 | 22x40 | 0.86 | 1.326 |
| | | 35x30 | 2.16 | 0.243 | | | 25x35 | 0.87 | 1.326 |
| | 1000 | 30x45 | 2.32 | 0.199 | | | 30x25 | 0.85 | 1.326 |
| | | 35x35 | 2.30 | 0.199 | | 180 | 22x45 | 1.05 | 1.105 |
| 1200 | | 30x50 | 2.75 | 0.166 | | | 25x40 | 1.07 | 1.105 |
| | 35x40 | 2.75 | 0.166 | 30x30 | | | 1.05 | 1.105 | |
| 1500 | 35x45 | 2.90 | 0.133 | 22x50 | | 1.16 | 0.905 | | |
| | | 2.90 | 0.133 | 25x45 | | 1.20 | 0.905 | | |
| 250(300) | 150 | 22x25 | 0.75 | 1.330 | | 220 | 30x35 | 1.18 | 0.905 |
| | 180 | 22x30 | 0.85 | 1.110 | | | 35x25 | 1.15 | 0.905 |
| | 220 | 22x30 | 1.00 | 0.905 | 25x50 | | 1.31 | 0.737 | |
| | | 25x25 | 1.00 | 0.905 | 270 | 30x40 | 1.33 | 0.737 | |
| | 270 | 22x35 | 1.22 | 0.737 | | 35x30 | 1.30 | 0.737 | |
| | | 25x25 | 1.15 | 0.737 | | 330 | 30x45 | 1.46 | 0.603 |
| | 330 | 22x40 | 1.36 | 0.603 | 35x35 | | 1.45 | 0.603 | |
| | | 390 | 25x30 | 1.30 | 0.603 | 390 | 30x50 | 1.65 | 0.510 |
| | 22x45 | | 1.54 | 0.510 | 35x40 | | 1.65 | 0.510 | |
| | 25x35 | | 1.48 | 0.510 | 470 | 35x45 | 1.85 | 0.423 | |
| | 30x25 | | 1.45 | 0.510 | | 560 | 35x50 | 2.10 | 0.355 |
| | 400(450) | 470 | 35x25 | 1.59 | 0.510 | 68 | 22x25 | 0.55 | 2.926 |
| | | | 22x50 | 1.78 | 0.423 | 82 | 22x30 | 0.65 | 2.426 |
| | | | 25x40 | 1.75 | 0.423 | | 25x25 | 0.65 | 2.426 |
| | | | 30x30 | 1.72 | 0.423 | | 100 | 22x35 | 0.79 |
| | | 35x30 | 1.88 | 0.423 | 25x25 | 0.75 | | 1.989 | |
| | | 560 | 25x40 | 1.80 | 0.355 | 120 | 22x40 | 0.89 | 1.658 |
| | | | 30x35 | 1.89 | 0.355 | | 25x30 | 0.85 | 1.658 |
| | | | 35x30 | 1.94 | 0.355 | 150 | 30x25 | 0.87 | 1.658 |
| | | 680 | 25x50 | 2.10 | 0.293 | | 22x45 | 0.93 | 1.326 |
| | | | 30x40 | 2.10 | 0.293 | | 25x35 | 0.90 | 1.326 |
| | | | 35x35 | 2.18 | 0.293 | 180 | 30x30 | 0.94 | 1.326 |
| | | 820 | 30x45 | 2.30 | 0.243 | | 35x25 | 0.96 | 1.326 |
| | | | 35x40 | 2.39 | 0.243 | | 220 | 22x50 | 1.14 |
| | | 1000 | 30x50 | 2.55 | 0.199 | 25x450 | | 1.11 | 1.105 |
| 35x45 | | | 2.65 | 0.199 | 30x30 | 1.10 | | 1.105 | |
| 1200 | 35x50 | 2.90 | 0.166 | 35x25 | 1.12 | 1.105 | | | |
| 315(365) | 82 | 22x25 | 0.55 | 2.426 | 270 | 25x45 | 1.20 | 0.905 | |
| | 100 | 22x30 | 0.65 | 1.989 | | 30x35 | 1.20 | 0.905 | |
| | | 22x30 | 0.75 | 1.658 | | 35x30 | 1.24 | 0.905 | |
| | 120 | 25x25 | 0.75 | 1.658 | 330 | 25x50 | 1.36 | 0.737 | |
| | | 22x35 | 0.80 | 1.326 | | 30x40 | 1.38 | 0.737 | |
| | 150 | 25x30 | 0.80 | 1.326 | 35x30 | 1.35 | 0.737 | | |
| | | 180 | 22x40 | 1.01 | 1.105 | 30x45 | 1.51 | 0.603 | |
| | 25x35 | | 1.02 | 1.105 | 35x35 | 1.50 | 0.603 | | |
| | 30x25 | | 1.00 | 1.105 | 390 | 35x50 | 1.70 | 0.510 | |
| | 220 | 22x45 | 1.10 | 0.905 | | 35x40 | 1.70 | 0.510 | |
| | | 270 | 25x40 | 1.12 | 0.905 | 470 | 35x45 | 1.90 | 0.423 |
| | 30x30 | | 1.10 | 0.905 | 56 | | 22x25 | 0.55 | 5.921 |
| | 450(500) | 270 | 25x45 | 1.25 | 0.737 | 68 | 22x30 | 0.65 | 4.876 |
| | | | 30x35 | 1.25 | 0.737 | 82 | 22x35 | 0.80 | 4.044 |
| | | 330 | 25x50 | 1.53 | 0.603 | | 25x25 | 0.75 | 4.044 |
| 30x40 | | | 1.53 | 0.603 | 100 | 22x40 | 0.89 | 3.316 | |
| 35x30 | | 1.50 | 0.603 | | | | | | |

STANDARD RATINGS

| Rated Voltage (SurageVoltage) (V) | Cap (μ F) | Case size Φ DxL(mm) | Ripple current (A/rms105°C) (120Hz) | ESR (Ω ,20°C) (120Hz) | Rated Voltage (SurageVoltage) (V) | Cap (μ F) | Case size Φ DxL(mm) | Ripple current (A/rms105°C) (120Hz) | ESR (Ω ,20°C) (120Hz) |
|-----------------------------------|----------------|--------------------------|-------------------------------------|-------------------------------|-----------------------------------|----------------|--------------------------|-------------------------------------|-------------------------------|
| 450(500) | 100 | 25x30 | 0.85 | 3.316 | 500(550) | 180 | 25x50 | 1.20 | 1.842 |
| | 120 | 22x45 | 0.95 | 2.763 | | 180 | 30x40 | 1.17 | 1.842 |
| | | 25x35 | 0.92 | 2.763 | | | 35x30 | 1.10 | 1.842 |
| | | 30x25 | 0.90 | 2.763 | | 220 | 30x45 | 1.33 | 1.507 |
| | | 22x50 | 1.14 | 2.210 | | | 35x35 | 1.23 | 1.507 |
| | 150 | 25x40 | 1.11 | 2.210 | | 270 | 30x50 | 1.50 | 1.228 |
| | | 30x30 | 1.10 | 2.210 | | | 35x40 | 1.42 | 1.228 |
| | | 180 | 25x45 | 1.25 | | 1.842 | 330 | 35x45 | 1.60 |
| | 30x35 | | 1.24 | 1.842 | | 390 | 35x50 | 1.78 | 0.850 |
| | 35x25 | | 1.20 | 1.842 | | 470 | 35x60 | 2.03 | 0.705 |
| | 220 | 25x50 | 1.36 | 1.507 | 550(600) | 47 | 22x30 | 0.55 | 8.823 |
| | | 30x40 | 1.38 | 1.507 | | 56 | 22x35 | 0.64 | 7.405 |
| | | | 35x30 | 1.35 | | 1.507 | 68 | 25x30 | 0.71 |
| | | 270 | 30x45 | 1.51 | | 1.228 | 82 | 22x40 | 0.82 |
| | 35x35 | | 1.50 | 1.228 | | 25x35 | | 0.83 | 5.057 |
| | 330 | 30x50 | 1.70 | 1.005 | | 30x25 | | 0.81 | 5.057 |
| 35x40 | | 1.70 | 1.005 | 100 | | 22x45 | 0.87 | 4.147 | |
| 390 | 35x45 | 1.90 | 0.850 | | | 30x30 | 0.88 | 4.147 | |
| | 470 | 35x50 | 2.10 | 0.705 | | 120 | 22x50 | 1.00 | 3.456 |
| 47 | | 22x25 | 0.51 | 7.055 | | | 25x40 | 0.97 | 3.456 |
| 56 | 22x30 | 0.58 | 5.912 | 150 | | | 30x35 | 1.02 | 3.456 |
| 68 | 25x25 | 0.65 | 4.876 | | | 35x25 | 0.98 | 3.456 | |
| 82 | 22x35 | 0.72 | 4.044 | | | 180 | 25x45 | 1.15 | 2.765 |
| | 25x30 | 0.74 | 4.044 | 30x40 | | | 1.21 | 2.765 | |
| 100 | 22x45 | 0.83 | 3.316 | 35x30 | | | 1.18 | 2.765 | |
| | 30x25 | 0.82 | 3.316 | 220 | | 30x45 | 1.26 | 2.304 | |
| | | 22x50 | 0.93 | | 2.763 | 35x35 | 1.24 | 2.304 | |
| 120 | 25x35 | 0.93 | 2.763 | 270 | 30x50 | 1.45 | 1.885 | | |
| | 30x30 | 0.91 | 2.763 | | 35x40 | 1.45 | 1.885 | | |
| | 150 | 25x45 | 1.08 | 2.210 | 330 | 35x45 | 1.68 | 1.536 | |
| 30x35 | | 1.04 | 2.210 | 390 | 35x50 | 1.95 | 1.257 | | |
| 35x25 | | 0.99 | 2.210 | 35x60 | 2.12 | 1.063 | | | |