

Type 380LQ 85 °C Compact, High Capacitance, Snap-In Aluminum

Higher Capacitance per Case Size



Type 380LQ is on average 27% smaller and more than 10 mm shorter than Type 380LX. This is achieved with a new can-closure method that permits installing capacitor elements into smaller cans. Approaching the capability of the 380LX, the new 380LQ enables you to shrink equipment size and retain the original performance.

Highlights

- New, more capacitance per case
- Compare to Type 380LX
- New, lower voltages down to 16 V

Specifications

| Temperature Range | -40 °C to + 85 °C ≤ 315 Vdc -25 °C to + 85 °C ≥ 350 Vdc | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|--|-------|--------|---------|-------|-------------|------|------|------|---------|-------|-------|--------|---------|-------|-------------|-----------|------|------|------|------|------|------|
| Rated Voltage Range | 16 Vdc to 450 Vdc | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Range | 82 µF to 100,000 µF | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Tolerance | ±20% | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | ≤ 3 \sqrt{CV} µA, 4 mA max, 5 minutes | | | | | | | | | | | | | | | | | | | | | | |
| Ripple Current Multipliers | <p>Ambient Temperature</p> <table border="1"> <thead> <tr> <th>45 °C</th> <th>60 °C</th> <th>70 °C</th> <th>85 °C</th> </tr> </thead> <tbody> <tr> <td>1.50</td> <td>1.40</td> <td>1.30</td> <td>1.00</td> </tr> </tbody> </table> <p>Frequency</p> <table border="1"> <thead> <tr> <th rowspan="2">Voltage</th> <th>50 Hz</th> <th>60 Hz</th> <th>120 Hz</th> <th>500 kHz</th> <th>1 kHz</th> <th>10 kHz & Up</th> </tr> </thead> <tbody> <tr> <td>16-100 WV</td> <td>0.93</td> <td>0.95</td> <td>1.00</td> <td>1.05</td> <td>1.08</td> <td>1.15</td> </tr> </tbody> </table> | 45 °C | 60 °C | 70 °C | 85 °C | 1.50 | 1.40 | 1.30 | 1.00 | Voltage | 50 Hz | 60 Hz | 120 Hz | 500 kHz | 1 kHz | 10 kHz & Up | 16-100 WV | 0.93 | 0.95 | 1.00 | 1.05 | 1.08 | 1.15 |
| 45 °C | 60 °C | 70 °C | 85 °C | | | | | | | | | | | | | | | | | | | | |
| 1.50 | 1.40 | 1.30 | 1.00 | | | | | | | | | | | | | | | | | | | | |
| Voltage | 50 Hz | 60 Hz | 120 Hz | 500 kHz | 1 kHz | 10 kHz & Up | | | | | | | | | | | | | | | | | |
| | 16-100 WV | 0.93 | 0.95 | 1.00 | 1.05 | 1.08 | 1.15 | | | | | | | | | | | | | | | | |
| Low Temperature Characteristics | Impedance ratio: $Z_{-20^{\circ}\text{C}}/Z_{+25^{\circ}\text{C}}$ ≤ 8 (16-50 Vdc) ≤ 4 (63-100 Vdc) ≤ 3 (150-450 Vdc) | | | | | | | | | | | | | | | | | | | | | | |
| Endurance Life Test | 2000 h at full load at 85 °C Δ Capacitance ±20% ESR 200% of limit DCL 100% of limit | | | | | | | | | | | | | | | | | | | | | | |
| Shelf Life Test | 1000 h at 85 °C Δ Capacitance ±20% ESR 200% of limit DCL 100% of limit | | | | | | | | | | | | | | | | | | | | | | |
| Vibration | 10 to 55 Hz, 0.06" and 10 g max, 2 h each plane | | | | | | | | | | | | | | | | | | | | | | |
| RoHS Compliant | | | | | | | | | | | | | | | | | | | | | | | |

Type 380LQ 85 °C Compact, High Capacitance Snap-in Capacitors

Higher Capacitance per Case Size

Part Numbering System

| | | | | | | | |
|--------------|---|------------------|---|------------------|-------------------|--|---|
| 380LQ | 272 | M | 200 | A05 | 2 | A | +D |
| ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| Type | Cap | Tolerance | Voltage | Case Code | Insulation | Pin Styles | Blank = no end disk if <250 V D = end disk, any voltage |
| 380LQ | 561 = 560 μF 272 = 2700 μF 392 = 3900 μF | M = ±20% | 016 = 16 Vdc 200 = 200 Vdc 450 = 450 Vdc | | 2 = PVC | Blank = 2 pins snap-in 6.3 mm L A = 2 pins snap-in 4.0 mm L | |

Outline Drawing



Note that for 200 volts and under the insulating end disc is optional - If one is needed add a (+D) to the end of the part numbering system.

Insulated Case Dimensions

| Case Code | DIAMETER D | | LENGTH L | | Typical Weight (grams) | Case Code | DIAMETER D | | LENGTH L | | Typical Weight (grams) |
|-----------|------------|--------|----------|--------|------------------------|-----------|------------|--------|----------|--------|------------------------|
| | mm | inches | mm | inches | | | mm | inches | mm | inches | |
| H01 | 22 | 0.87 | 25 | 0.98 | 16 | K01 | 30 | 1.18 | 25 | 0.98 | 30 |
| H02 | 22 | 0.87 | 30 | 1.18 | 19 | K02 | 30 | 1.18 | 30 | 1.18 | 35 |
| H03 | 22 | 0.87 | 35 | 1.38 | 22 | K03 | 30 | 1.18 | 35 | 1.38 | 40 |
| H04 | 22 | 0.87 | 40 | 1.57 | 24 | K04 | 30 | 1.18 | 40 | 1.57 | 44 |
| H45 | 22 | 0.87 | 45 | 1.77 | 28 | K45 | 30 | 1.18 | 45 | 1.77 | 49 |
| H05 | 22 | 0.87 | 50 | 1.97 | 31 | K05 | 30 | 1.18 | 50 | 1.97 | 53 |
| J01 | 25 | 0.98 | 25 | 0.98 | 20 | A01 | 35 | 1.38 | 25 | 0.98 | 42 |
| J02 | 25 | 0.98 | 30 | 1.18 | 24 | A02 | 35 | 1.38 | 30 | 1.18 | 48 |
| J03 | 25 | 0.98 | 35 | 1.38 | 27 | A03 | 35 | 1.38 | 35 | 1.38 | 54 |
| J04 | 25 | 0.98 | 40 | 1.57 | 31 | A04 | 35 | 1.38 | 40 | 1.57 | 60 |
| J45 | 25 | 0.98 | 45 | 1.77 | 35 | A45 | 35 | 1.38 | 45 | 1.77 | 67 |
| J05 | 25 | 0.98 | 50 | 1.97 | 38 | A05 | 35 | 1.38 | 50 | 1.97 | 74 |

Type 380LQ 85 °C Compact, High Capacitance Snap-in Capacitors

Higher Capacitance per Case Size

Ratings

| Cap. (µF) | Catalog Part Number | ESR Max @ 25° C | | Ripple Amps @ 85 °C | | Nominal Size D x L (mm) |
|------------------------------|------------------------|--------------------|---------------|------------------------|---------------|----------------------------------|
| | | 120 Hz (Ω) | 20 kHz (Ω) | 120 Hz (A) | 20 kHz (A) | |
| 16 Vdc (20 Vdc Surge) | | | | | | |
| 12000 | 380LQ123M016H012 | 0.069 | 0.059 | 4.52 | 5.20 | 22 x 25 |
| 15000 | 380LQ153M016H022 | 0.055 | 0.047 | 5.26 | 6.05 | 22 x 30 |
| 18000 | 380LQ183M016H032 | 0.046 | 0.039 | 5.57 | 6.41 | 22 x 35 |
| 18000 | 380LQ183M016J012 | 0.046 | 0.039 | 5.57 | 6.41 | 25 x 25 |
| 22000 | 380LQ223M016H042 | 0.038 | 0.032 | 6.10 | 7.02 | 22 x 40 |
| 22000 | 380LQ223M016J022 | 0.038 | 0.032 | 6.10 | 7.02 | 25 x 30 |
| 27000 | 380LQ273M016H452 | 0.031 | 0.026 | 6.31 | 7.26 | 22 x 45 |
| 27000 | 380LQ273M016J032 | 0.031 | 0.026 | 6.31 | 7.26 | 25 x 25 |
| 27000 | 380LQ273M016K012 | 0.031 | 0.026 | 6.31 | 7.26 | 30 x 25 |
| 33000 | 380LQ333M016H052 | 0.025 | 0.021 | 6.84 | 7.87 | 22 x 50 |
| 33000 | 380LQ333M016J042 | 0.025 | 0.021 | 6.84 | 7.87 | 25 x 40 |
| 33000 | 380LQ333M016K022 | 0.025 | 0.021 | 6.84 | 7.87 | 30 x 30 |
| 33000 | 380LQ333M016A012 | 0.025 | 0.021 | 6.84 | 7.87 | 35 x 25 |
| 39000 | 380LQ393M016J452 | 0.024 | 0.020 | 6.94 | 7.98 | 25 x 45 |
| 39000 | 380LQ393M016K032 | 0.024 | 0.020 | 6.94 | 7.98 | 30 x 35 |
| 47000 | 380LQ473M016J052 | 0.023 | 0.019 | 7.47 | 8.59 | 25 x 50 |
| 47000 | 380LQ473M016K042 | 0.023 | 0.019 | 7.47 | 8.59 | 30 x 40 |
| 47000 | 380LQ473M016A022 | 0.023 | 0.019 | 7.47 | 8.59 | 35 x 30 |
| 56000 | 380LQ563M016K452 | 0.022 | 0.019 | 8.73 | 10.04 | 30 x 45 |
| 56000 | 380LQ563M016A032 | 0.022 | 0.018 | 8.73 | 10.04 | 35 x 35 |
| 68000 | 380LQ683M016K052 | 0.021 | 0.018 | 9.05 | 10.41 | 30 x 50 |
| 68000 | 380LQ683M016A042 | 0.021 | 0.018 | 9.05 | 10.41 | 35 x 40 |
| 82000 | 380LQ823M016A452 | 0.020 | 0.018 | 9.49 | 10.91 | 35 x 45 |
| 100000 | 380LQ104M016A052 | 0.019 | 0.018 | 10.18 | 11.71 | 35 x 50 |
| 25 Vdc (32 Vdc Surge) | | | | | | |
| 8200 | 380LQ822M025H012 | 0.081 | 0.065 | 3.57 | 4.11 | 22 x 25 |
| 12000 | 380LQ123M025H022 | 0.055 | 0.044 | 4.10 | 4.72 | 22 x 30 |
| 12000 | 380LQ123M025J012 | 0.055 | 0.044 | 4.10 | 4.72 | 25 x 25 |
| 15000 | 380LQ153M025H032 | 0.044 | 0.035 | 4.63 | 5.32 | 22 x 35 |
| 15000 | 380LQ153M025J022 | 0.044 | 0.035 | 4.63 | 5.32 | 25 x 30 |
| 18000 | 380LQ183M025H042 | 0.037 | 0.029 | 5.47 | 6.29 | 22 x 40 |
| 18000 | 380LQ183M025J032 | 0.037 | 0.029 | 5.47 | 6.29 | 25 x 35 |
| 18000 | 380LQ183M025K012 | 0.037 | 0.029 | 5.47 | 6.29 | 30 x 25 |
| 22000 | 380LQ223M025H452 | 0.030 | 0.024 | 6.10 | 7.02 | 22 x 45 |
| 22000 | 380LQ223M025J042 | 0.030 | 0.024 | 6.10 | 7.02 | 25 x 40 |
| 22000 | 380LQ223M025K022 | 0.030 | 0.024 | 6.10 | 7.02 | 30 x 30 |
| 22000 | 380LQ223M025A012 | 0.030 | 0.024 | 6.10 | 7.02 | 35 x 25 |
| 27000 | 380LQ273M025J452 | 0.025 | 0.020 | 6.21 | 7.14 | 25 x 45 |
| 27000 | 380LQ273M025K032 | 0.025 | 0.020 | 6.21 | 7.14 | 30 x 35 |
| 33000 | 380LQ333M025J052 | 0.020 | 0.016 | 6.84 | 7.87 | 25 x 50 |
| 33000 | 380LQ333M025K042 | 0.020 | 0.016 | 6.84 | 7.87 | 30 x 40 |
| 33000 | 380LQ333M025A022 | 0.020 | 0.016 | 6.84 | 7.87 | 35 x 30 |
| 25 Vdc (44 Vdc Surge) | | | | | | |
| 39000 | 380LQ393M025K452 | 0.020 | 0.016 | 7.36 | 8.46 | 30 x 45 |
| 39000 | 380LQ393M025A032 | 0.020 | 0.016 | 7.36 | 8.46 | 35 x 35 |
| 47000 | 380LQ473M025K052 | 0.019 | 0.016 | 8.00 | 9.20 | 30 x 50 |
| 47000 | 380LQ473M025A042 | 0.019 | 0.015 | 8.00 | 9.20 | 35 x 40 |
| 56000 | 380LQ563M025A452 | 0.019 | 0.016 | 8.91 | 10.25 | 35 x 45 |
| 68000 | 380LQ683M025A052 | 0.018 | 0.016 | 9.79 | 11.26 | 35 x 50 |
| 35 Vdc (32 Vdc Surge) | | | | | | |
| 5600 | 380LQ562M035H012 | 0.104 | 0.078 | 3.36 | 3.86 | 22 x 25 |
| 8200 | 380LQ822M035H022 | 0.071 | 0.053 | 4.00 | 4.60 | 22 x 30 |
| 8200 | 380LQ822M035J012 | 0.071 | 0.053 | 4.00 | 4.60 | 25 x 25 |
| 10000 | 380LQ103M035H032 | 0.058 | 0.044 | 4.42 | 5.08 | 22 x 35 |
| 10000 | 380LQ103M035J022 | 0.058 | 0.044 | 4.42 | 5.08 | 25 x 30 |
| 12000 | 380LQ123M035H042 | 0.048 | 0.036 | 5.05 | 5.81 | 22 x 40 |
| 12000 | 380LQ123M035J032 | 0.048 | 0.036 | 5.05 | 5.81 | 25 x 35 |
| 12000 | 380LQ123M035K012 | 0.048 | 0.036 | 5.05 | 5.81 | 30 x 25 |
| 15000 | 380LQ153M035H452 | 0.039 | 0.029 | 5.57 | 6.41 | 22 x 45 |
| 15000 | 380LQ153M035J042 | 0.039 | 0.029 | 5.57 | 6.41 | 25 x 40 |
| 18000 | 380LQ183M035J452 | 0.032 | 0.024 | 5.68 | 6.53 | 25 x 45 |
| 18000 | 380LQ183M035K022 | 0.032 | 0.024 | 5.68 | 6.53 | 30 x 30 |
| 18000 | 380LQ183M035A012 | 0.032 | 0.024 | 5.68 | 6.53 | 35 x 25 |
| 22000 | 380LQ223M035J052 | 0.026 | 0.020 | 6.10 | 7.02 | 25 x 50 |
| 22000 | 380LQ223M035K032 | 0.026 | 0.020 | 6.10 | 7.02 | 30 x 35 |
| 22000 | 380LQ223M035A022 | 0.026 | 0.020 | 6.10 | 7.02 | 35 x 30 |
| 27000 | 380LQ273M035K452 | 0.021 | 0.016 | 6.84 | 7.87 | 30 x 45 |
| 27000 | 380LQ273M035A032 | 0.021 | 0.016 | 6.84 | 7.87 | 35 x 35 |
| 33000 | 380LQ333M035K052 | 0.018 | 0.013 | 7.15 | 8.22 | 30 x 50 |
| 33000 | 380LQ333M035A042 | 0.018 | 0.014 | 7.15 | 8.22 | 35 x 40 |
| 39000 | 380LQ393M035A452 | 0.017 | 0.014 | 7.91 | 9.10 | 35 x 45 |
| 47000 | 380LQ473M035A052 | 0.017 | 0.014 | 8.56 | 9.84 | 35 x 50 |
| 50 Vdc (63 Vdc Surge) | | | | | | |
| 3300 | 380LQ332M050H012 | 0.151 | 0.113 | 2.73 | 3.14 | 22 x 25 |
| 4700 | 380LQ472M050H022 | 0.106 | 0.079 | 3.03 | 3.48 | 22 x 30 |
| 4700 | 380LQ472M050J012 | 0.106 | 0.079 | 3.03 | 3.48 | 25 x 25 |
| 5600 | 380LQ562M050H032 | 0.089 | 0.067 | 3.42 | 3.93 | 22 x 35 |
| 6800 | 380LQ682M050H042 | 0.073 | 0.055 | 3.85 | 4.43 | 22 x 40 |
| 6800 | 380LQ682M050J022 | 0.073 | 0.055 | 3.85 | 4.43 | 25 x 30 |
| 6800 | 380LQ682M050K012 | 0.073 | 0.055 | 3.85 | 4.43 | 30 x 25 |
| 8200 | 380LQ822M050H452 | 0.061 | 0.045 | 4.41 | 5.07 | 22 x 45 |
| 8200 | 380LQ822M050J032 | 0.061 | 0.045 | 4.41 | 5.07 | 25 x 35 |
| 10000 | 380LQ103M050H052 | 0.050 | 0.037 | 4.97 | 5.72 | 22 x 50 |
| 10000 | 380LQ103M050J042 | 0.050 | 0.037 | 4.97 | 5.72 | 25 x 40 |
| 10000 | 380LQ103M050K022 | 0.050 | 0.037 | 4.97 | 5.72 | 30 x 30 |

Type 380LQ 85 °C Compact, High Capacitance Snap-in Capacitors

Higher Capacitance per Case Size

| Cap. (µF) | Catalog Part Number | ESR Max @ 25° C | | Ripple Amps @ 85 °C | | Nominal Size D x L (mm) | Cap. (µF) | Catalog Part Number | ESR Max @ 25° C | | Ripple Amps @ 85 °C | | Nominal Size D x L (mm) |
|-------------------------------|------------------------|--------------------|---------------|------------------------|---------------|----------------------------------|--------------------------------|------------------------|--------------------|---------------|------------------------|---------------|----------------------------------|
| | | 120 Hz (Ω) | 20 kHz (Ω) | 120 Hz (A) | 20 kHz (A) | | | | 120 Hz (Ω) | 20 kHz (Ω) | 120 Hz (A) | 20 kHz (A) | |
| 50 Vdc (63 Vdc Surge) | | | | | | | 80 Vdc (100 Vdc Surge) | | | | | | |
| 10000 | 380LQ103M050A012 | 0.05 | 0.037 | 4.97 | 5.72 | 35 x 25 | 3900 | 380LQ392M080H052 | 0.085 | 0.064 | 3.59 | 4.13 | 22 x 50 |
| 12000 | 380LQ123M050J452 | 0.041 | 0.031 | 5.58 | 6.42 | 25 x 45 | 3900 | 380LQ392M080J042 | 0.085 | 0.064 | 3.59 | 4.13 | 25 x 40 |
| 12000 | 380LQ123M050K032 | 0.041 | 0.031 | 5.58 | 6.42 | 30 x 35 | 3900 | 380LQ392M080A012 | 0.085 | 0.064 | 3.59 | 4.13 | 35 x 25 |
| 12000 | 380LQ123M050A022 | 0.041 | 0.031 | 5.58 | 6.42 | 35 x 30 | 4700 | 380LQ472M080H452 | 0.071 | 0.053 | 4.09 | 4.70 | 25 x 45 |
| 15000 | 380LQ153M050K042 | 0.033 | 0.025 | 6.44 | 7.41 | 30 x 40 | 4700 | 380LQ472M080K022 | 0.071 | 0.053 | 4.09 | 4.70 | 30 x 30 |
| 15000 | 380LQ153M050A032 | 0.033 | 0.025 | 6.44 | 7.41 | 35 x 35 | 5600 | 380LQ562M080J052 | 0.059 | 0.044 | 4.55 | 5.23 | 25 x 50 |
| 18000 | 380LQ183M050K452 | 0.028 | 0.021 | 6.94 | 7.98 | 30 x 45 | 5600 | 380LQ562M080K032 | 0.059 | 0.044 | 4.55 | 5.23 | 30 x 35 |
| 18000 | 380LQ183M050A042 | 0.028 | 0.021 | 6.94 | 7.98 | 35 x 40 | 5600 | 380LQ562M080A022 | 0.059 | 0.044 | 4.55 | 5.23 | 35 x 30 |
| 22000 | 380LQ223M050A452 | 0.023 | 0.018 | 7.57 | 8.71 | 35 x 45 | 6800 | 380LQ682M080K452 | 0.049 | 0.037 | 5.16 | 5.93 | 30 x 45 |
| 27000 | 380LQ273M050A052 | 0.018 | 0.015 | 8.96 | 10.30 | 35 x 50 | 6800 | 380LQ682M080A032 | 0.049 | 0.037 | 5.16 | 5.93 | 35 x 35 |
| 63 Vdc (79 Vdc Surge) | | | | | | | 100 Vdc (125 Vdc Surge) | | | | | | |
| 2200 | 380LQ222M063H012 | 0.188 | 0.141 | 2.52 | 2.90 | 22 x 25 | 1000 | 380LQ102M100H012 | 0.332 | 0.216 | 1.96 | 2.25 | 22 x 25 |
| 3300 | 380LQ332M063H022 | 0.126 | 0.094 | 4.10 | 4.72 | 22 x 30 | 1200 | 380LQ122M100J012 | 0.276 | 0.18 | 2.31 | 2.66 | 25 x 25 |
| 3300 | 380LQ332M063J012 | 0.126 | 0.094 | 4.10 | 4.72 | 25 x 25 | 1500 | 380LQ152M100H022 | 0.221 | 0.144 | 2.57 | 2.96 | 22 x 30 |
| 3900 | 380LQ392M063H032 | 0.106 | 0.080 | 4.44 | 5.11 | 22 x 35 | 1800 | 380LQ182M100H032 | 0.184 | 0.120 | 2.84 | 3.27 | 22 x 35 |
| 3900 | 380LQ392M063J022 | 0.106 | 0.080 | 4.44 | 5.11 | 25 x 30 | 1800 | 380LQ182M100J022 | 0.184 | 0.120 | 2.84 | 3.27 | 25 x 30 |
| 4700 | 380LQ472M063H042 | 0.088 | 0.066 | 4.86 | 5.59 | 22 x 40 | 2200 | 380LQ222M100H452 | 0.151 | 0.098 | 3.14 | 3.61 | 22 x 45 |
| 5600 | 380LQ562M063H452 | 0.074 | 0.056 | 5.36 | 6.16 | 22 x 45 | 2200 | 380LQ222M100J032 | 0.151 | 0.098 | 3.14 | 3.61 | 25 x 35 |
| 5600 | 380LQ562M063J042 | 0.074 | 0.056 | 5.36 | 6.16 | 25 x 40 | 2200 | 380LQ222M100K012 | 0.151 | 0.098 | 3.14 | 3.61 | 30 x 25 |
| 6800 | 380LQ682M063J452 | 0.061 | 0.046 | 5.84 | 6.72 | 25 x 45 | 2700 | 380LQ272M100H052 | 0.123 | 0.08 | 3.71 | 4.27 | 22 x 50 |
| 6800 | 380LQ682M063K022 | 0.061 | 0.046 | 5.84 | 6.72 | 30 x 30 | 2700 | 380LQ272M100J042 | 0.123 | 0.08 | 3.71 | 4.27 | 25 x 40 |
| 6800 | 380LQ682M063A012 | 0.061 | 0.046 | 5.84 | 6.72 | 35 x 25 | 2700 | 380LQ272M100K022 | 0.123 | 0.08 | 3.71 | 4.27 | 30 x 30 |
| 8200 | 380LQ822M063J052 | 0.051 | 0.038 | 6.00 | 6.90 | 25 x 50 | 2700 | 380LQ272M100A012 | 0.123 | 0.08 | 3.71 | 4.27 | 35 x 25 |
| 8200 | 380LQ822M063K032 | 0.051 | 0.038 | 6.00 | 6.90 | 30 x 35 | 3300 | 380LQ332M100J452 | 0.100 | 0.065 | 4.06 | 4.67 | 25 x 45 |
| 8200 | 380LQ822M063A022 | 0.051 | 0.038 | 6.00 | 6.90 | 35 x 30 | 3300 | 380LQ332M100K032 | 0.100 | 0.065 | 4.06 | 4.67 | 30 x 35 |
| 10000 | 380LQ103M063K042 | 0.041 | 0.031 | 6.52 | 7.50 | 30 x 40 | 3900 | 380LQ392M100J052 | 0.085 | 0.055 | 4.54 | 5.22 | 25 x 50 |
| 10000 | 380LQ103M063A032 | 0.041 | 0.031 | 6.52 | 7.50 | 35 x 35 | 3900 | 380LQ392M100K042 | 0.085 | 0.055 | 4.54 | 5.22 | 30 x 40 |
| 12000 | 380LQ123M063K452 | 0.035 | 0.026 | 7.15 | 8.22 | 30 x 45 | 3900 | 380LQ392M100A022 | 0.085 | 0.055 | 4.54 | 5.22 | 35 x 30 |
| 12000 | 380LQ123M063A042 | 0.035 | 0.026 | 7.15 | 8.22 | 35 x 40 | 4700 | 380LQ472M100K452 | 0.071 | 0.046 | 5.13 | 5.90 | 30 x 45 |
| 15000 | 380LQ153M063A452 | 0.028 | 0.021 | 7.91 | 9.10 | 35 x 45 | 4700 | 380LQ472M100A032 | 0.071 | 0.046 | 5.13 | 5.90 | 35 x 35 |
| 18000 | 380LQ183M063A052 | 0.023 | 0.018 | 8.55 | 9.83 | 35 x 50 | 5600 | 380LQ562M100K052 | 0.059 | 0.041 | 5.75 | 6.61 | 30 x 50 |
| 18000 | 380LQ183M063A052 | 0.023 | 0.018 | 8.55 | 9.83 | 35 x 50 | 5600 | 380LQ562M100A042 | 0.059 | 0.038 | 5.75 | 6.61 | 35 x 40 |
| 80 Vdc (100 Vdc Surge) | | | | | | | 160 Vdc (200 Vdc Surge) | | | | | | |
| 1500 | 380LQ152M080H012 | 0.221 | 0.166 | 2.26 | 2.60 | 22 x 25 | 560 | 380LQ561M160H012 | 0.355 | 0.16 | 2.25 | 3.15 | 22 x 25 |
| 1800 | 380LQ182M080H022 | 0.184 | 0.138 | 2.52 | 2.90 | 22 x 30 | 680 | 380LQ681M160H022 | 0.293 | 0.132 | 2.50 | 3.50 | 22 x 30 |
| 2200 | 380LQ222M080H032 | 0.151 | 0.113 | 2.73 | 3.14 | 22 x 35 | 820 | 380LQ821M160H032 | 0.243 | 0.109 | 2.75 | 3.85 | 22 x 35 |
| 2200 | 380LQ222M080J012 | 0.151 | 0.113 | 2.73 | 3.14 | 25 x 25 | | | | | | | |
| 2700 | 380LQ272M080H042 | 0.123 | 0.092 | 2.78 | 3.20 | 22 x 40 | | | | | | | |
| 2700 | 380LQ272M080J022 | 0.123 | 0.092 | 2.78 | 3.20 | 25 x 30 | | | | | | | |
| 3300 | 380LQ332M080H452 | 0.100 | 0.075 | 3.21 | 3.69 | 22 x 45 | | | | | | | |
| 3300 | 380LQ332M080J032 | 0.100 | 0.075 | 3.21 | 3.69 | 25 x 35 | | | | | | | |
| 3300 | 380LQ332M080K012 | 0.1 | 0.075 | 3.21 | 3.69 | 30 x 25 | | | | | | | |

Type 380LQ 85 °C Compact, High Capacitance Snap-in Capacitors

Higher Capacitance per Case Size

| Cap. (µF) | Catalog Part Number | ESR Max @ 25° C | | Ripple Amps @ 85 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|---------------|------------------------|---------------|----------------------------------|
| | | 120 Hz (Ω) | 20 kHz (Ω) | 120 Hz (A) | 20 kHz (A) | |
| 160 Vdc (200 Vdc Surge) | | | | | | |
| 1000 | 380LQ102M160H042 | 0.199 | 0.09 | 3.00 | 4.20 | 22 x 40 |
| 1000 | 380LQ102M160J022 | 0.199 | 0.09 | 3.00 | 4.20 | 25 x 30 |
| 1200 | 380LQ122M160H452 | 0.166 | 0.075 | 3.25 | 4.55 | 22 x 45 |
| 1200 | 380LQ122M160J032 | 0.166 | 0.075 | 3.25 | 4.55 | 25 x 35 |
| 1200 | 380LQ122M160K012 | 0.166 | 0.075 | 3.25 | 4.55 | 30 x 25 |
| 1500 | 380LQ152M160H052 | 0.133 | 0.060 | 3.73 | 5.22 | 22 x 50 |
| 1500 | 380LQ152M160J042 | 0.133 | 0.060 | 3.73 | 5.22 | 25 x 40 |
| 1500 | 380LQ152M160K022 | 0.133 | 0.060 | 3.73 | 5.22 | 30 x 30 |
| 1500 | 380LQ152M160A012 | 0.133 | 0.06 | 3.73 | 5.22 | 35 x 25 |
| 1800 | 380LQ182M160J452 | 0.111 | 0.05 | 4.20 | 5.88 | 25 x 45 |
| 1800 | 380LQ182M160K032 | 0.12 | 0.054 | 4.20 | 5.88 | 30 x 35 |
| 1800 | 380LQ182M160A022 | 0.111 | 0.05 | 4.20 | 5.88 | 35 x 30 |
| 2200 | 380LQ222M160K042 | 0.090 | 0.041 | 4.78 | 6.69 | 30 x 40 |
| 2200 | 380LQ222M160A032 | 0.098 | 0.049 | 4.78 | 6.69 | 35 x 35 |
| 2700 | 380LQ272M160K452 | 0.074 | 0.033 | 5.45 | 7.63 | 30 x 45 |
| 2700 | 380LQ272M160A042 | 0.080 | 0.040 | 5.45 | 7.63 | 35 x 40 |
| 3300 | 380LQ332M160A452 | 0.070 | 0.035 | 5.75 | 8.05 | 35 x 45 |
| 3900 | 380LQ392M160A052 | 0.055 | 0.028 | 6.00 | 8.40 | 35 x 50 |
| 180 Vdc (225 Vdc Surge) | | | | | | |
| 470 | 380LQ471M180H012 | 0.423 | 0.19 | 2.08 | 2.91 | 22 x 25 |
| 560 | 380LQ561M180H022 | 0.355 | 0.16 | 2.25 | 3.15 | 22 x 30 |
| 680 | 380LQ681M180H022 | 0.293 | 0.132 | 2.50 | 3.50 | 22 x 30 |
| 680 | 380LQ681M180J012 | 0.293 | 0.132 | 2.50 | 3.50 | 25 x 25 |
| 820 | 380LQ821M180H032 | 0.243 | 0.109 | 2.75 | 3.85 | 22 x 35 |
| 820 | 380LQ821M180J022 | 0.243 | 0.109 | 2.75 | 3.85 | 25 x 30 |
| 1000 | 380LQ102M180H452 | 0.199 | 0.090 | 3.00 | 4.20 | 22 x 45 |
| 1000 | 380LQ102M180J032 | 0.199 | 0.090 | 3.00 | 4.20 | 25 x 35 |
| 1000 | 380LQ102M180K012 | 0.199 | 0.09 | 3.00 | 4.20 | 30 x 25 |
| 1200 | 380LQ122M180H052 | 0.166 | 0.075 | 3.31 | 4.63 | 22 x 50 |
| 1200 | 380LQ122M180J042 | 0.166 | 0.075 | 3.31 | 4.63 | 25 x 40 |
| 1200 | 380LQ122M180K022 | 0.166 | 0.075 | 3.31 | 4.63 | 30 x 30 |
| 1200 | 380LQ122M180A012 | 0.166 | 0.075 | 3.31 | 4.63 | 35 x 25 |
| 1500 | 380LQ152M180J452 | 0.133 | 0.060 | 3.83 | 5.36 | 25 x 45 |
| 1500 | 380LQ152M180K032 | 0.133 | 0.060 | 3.83 | 5.36 | 30 x 35 |
| 1500 | 380LQ152M180A022 | 0.133 | 0.060 | 3.83 | 5.36 | 35 x 30 |
| 1800 | 380LQ182M180J052 | 0.120 | 0.054 | 4.32 | 6.05 | 25 x 50 |
| 1800 | 380LQ182M180K042 | 0.12 | 0.054 | 4.32 | 6.05 | 30 x 40 |
| 1800 | 380LQ182M180A022 | 0.12 | 0.054 | 4.32 | 6.05 | 35 x 30 |
| 2200 | 380LQ222M180K452 | 0.098 | 0.049 | 4.92 | 6.89 | 30 x 45 |
| 2200 | 380LQ222M180A042 | 0.098 | 0.049 | 4.92 | 6.89 | 35 x 40 |
| 2700 | 380LQ272M180K052 | 0.086 | 0.043 | 5.52 | 7.73 | 30 x 50 |
| 2700 | 380LQ272M180A452 | 0.086 | 0.043 | 5.52 | 7.73 | 35 x 45 |
| 3300 | 380LQ332M180A052 | 0.080 | 0.040 | 5.75 | 8.05 | 35 x 50 |

| Cap. (µF) | Catalog Part Number | ESR Max @ 25° C | | Ripple Amps @ 85 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|---------------|------------------------|---------------|----------------------------------|
| | | 120 Hz (Ω) | 20 kHz (Ω) | 120 Hz (A) | 20 kHz (A) | |
| 200 Vdc (250 Vdc Surge) | | | | | | |
| 390 | 380LQ391M200H012 | 0.51 | 0.23 | 1.68 | 2.35 | 22 x 25 |
| 470 | 380LQ471M200H022 | 0.423 | 0.19 | 1.85 | 2.59 | 22 x 30 |
| 560 | 380LQ561M200H022 | 0.355 | 0.16 | 2.43 | 3.40 | 22 x 30 |
| 560 | 380LQ561M200J012 | 0.355 | 0.160 | 2.43 | 3.40 | 25 x 25 |
| 680 | 380LQ681M200H032 | 0.293 | 0.132 | 2.68 | 3.75 | 22 x 35 |
| 680 | 380LQ681M200J022 | 0.293 | 0.132 | 2.68 | 3.75 | 25 x 30 |
| 820 | 380LQ821M200H042 | 0.243 | 0.109 | 2.93 | 4.10 | 22 x 40 |
| 820 | 380LQ821M200J022 | 0.243 | 0.109 | 2.93 | 4.10 | 25 x 30 |
| 820 | 380LQ821M200K012 | 0.243 | 0.109 | 2.93 | 4.10 | 30 x 25 |
| 1000 | 380LQ102M200H452 | 0.199 | 0.09 | 3.25 | 4.55 | 22 x 45 |
| 1000 | 380LQ102M200J032 | 0.199 | 0.09 | 3.25 | 4.55 | 25 x 35 |
| 1000 | 380LQ102M200K022 | 0.199 | 0.09 | 3.25 | 4.55 | 30 x 30 |
| 1000 | 380LQ102M200A012 | 0.232 | 0.116 | 3.25 | 4.55 | 35 x 25 |
| 1200 | 380LQ122M200H052 | 0.166 | 0.075 | 3.50 | 4.90 | 22 x 50 |
| 1200 | 380LQ122M200J042 | 0.166 | 0.075 | 3.50 | 4.90 | 25 x 40 |
| 1200 | 380LQ122M200K022 | 0.166 | 0.075 | 3.50 | 4.90 | 30 x 30 |
| 1500 | 380LQ152M200J052 | 0.133 | 0.060 | 3.87 | 5.42 | 25 x 50 |
| 1500 | 380LQ152M200K032 | 0.144 | 0.065 | 3.87 | 5.42 | 30 x 35 |
| 1500 | 380LQ152M200A022 | 0.144 | 0.065 | 3.87 | 5.42 | 35 x 30 |
| 1800 | 380LQ182M200K452 | 0.16 | 0.08 | 4.32 | 6.05 | 30 x 45 |
| 1800 | 380LQ182M200A032 | 0.12 | 0.06 | 4.32 | 6.05 | 35 x 35 |
| 2200 | 380LQ222M200K052 | 0.098 | 0.049 | 4.92 | 6.89 | 30 x 50 |
| 2200 | 380LQ222M200A042 | 0.105 | 0.053 | 4.92 | 6.89 | 35 x 40 |
| 2700 | 380LQ272M200A052 | 0.086 | 0.043 | 5.45 | 7.63 | 35 x 50 |
| 250 Vdc (300 Vdc Surge) | | | | | | |
| 270 | 380LQ271M250H012 | 0.737 | 0.332 | 1.31 | 1.83 | 22 x 25 |
| 330 | 380LQ331M250H022 | 0.603 | 0.271 | 1.75 | 2.45 | 22 x 30 |
| 390 | 380LQ391M250H022 | 0.51 | 0.23 | 1.91 | 2.67 | 22 x 30 |
| 390 | 380LQ391M250J012 | 0.510 | 0.230 | 1.91 | 2.67 | 25 x 25 |
| 470 | 380LQ471M250H032 | 0.423 | 0.190 | 2.11 | 2.95 | 22 x 35 |
| 470 | 380LQ471M250J022 | 0.423 | 0.190 | 2.11 | 2.95 | 25 x 30 |
| 560 | 380LQ561M250H042 | 0.355 | 0.160 | 2.25 | 3.15 | 22 x 40 |
| 560 | 380LQ561M250J022 | 0.355 | 0.160 | 2.25 | 3.15 | 25 x 30 |
| 560 | 380LQ561M250K012 | 0.355 | 0.16 | 2.25 | 3.15 | 30 x 25 |
| 680 | 380LQ681M250H452 | 0.293 | 0.132 | 2.50 | 3.50 | 22 x 45 |
| 680 | 380LQ681M250J032 | 0.293 | 0.132 | 2.50 | 3.50 | 25 x 35 |
| 680 | 380LQ681M250K012 | 0.293 | 0.132 | 2.30 | 3.20 | 30 x 25 |
| 680 | 380LQ681M250K022 | 0.293 | 0.132 | 2.50 | 3.50 | 30 x 30 |
| 820 | 380LQ821M250H052 | 0.243 | 0.109 | 2.77 | 3.88 | 22 x 50 |
| 820 | 380LQ821M250J042 | 0.243 | 0.109 | 2.77 | 3.88 | 25 x 40 |
| 820 | 380LQ821M250K022 | 0.243 | 0.109 | 2.77 | 3.88 | 30 x 30 |
| 820 | 380LQ821M250A012 | 0.243 | 0.121 | 2.77 | 3.88 | 35 x 25 |
| 1000 | 380LQ102M250J452 | 0.199 | 0.09 | 3.32 | 4.65 | 25 x 45 |

Type 380LQ 85 °C Compact, High Capacitance Snap-in Capacitors

Higher Capacitance per Case Size

| Cap. (µF) | Catalog Part Number | ESR Max @ 25° C | | Ripple Amps @ 85 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|---------------|------------------------|---------------|----------------------------------|
| | | 120 Hz (Ω) | 20 kHz (Ω) | 120 Hz (A) | 20 kHz (A) | |
| 250 Vdc (300 Vdc Surge) | | | | | | |
| 1000 | 380LQ102M250K032 | 0.199 | 0.09 | 3.32 | 4.65 | 30 x 35 |
| 1000 | 380LQ102M250A022 | 0.199 | 0.09 | 3.32 | 4.65 | 35 x 30 |
| 1200 | 380LQ122M250K042 | 0.166 | 0.075 | 3.53 | 4.94 | 30 x 40 |
| 1200 | 380LQ122M250A032 | 0.166 | 0.083 | 3.53 | 4.94 | 35 x 35 |
| 1500 | 380LQ152M250K052 | 0.133 | 0.066 | 4.04 | 5.66 | 30 x 50 |
| 1500 | 380LQ152M250A042 | 0.133 | 0.066 | 4.04 | 5.66 | 35 x 40 |
| 1800 | 380LQ182M250A452 | 0.111 | 0.055 | 4.55 | 6.37 | 35 x 45 |
| 2200 | 380LQ222M250A052 | 0.105 | 0.052 | 5.00 | 7.00 | 35 x 50 |
| 315 Vdc (365 Vdc Surge) | | | | | | |
| 180 | 380LQ181M315H012 | 1.105 | 0.553 | 1.21 | 1.69 | 22 x 25 |
| 220 | 380LQ221M315H022 | 0.904 | 0.452 | 1.41 | 1.97 | 22 x 30 |
| 270 | 380LQ271M315H022 | 0.737 | 0.368 | 1.60 | 2.24 | 22 x 30 |
| 330 | 380LQ331M315H042 | 0.603 | 0.301 | 1.82 | 2.55 | 22 x 40 |
| 330 | 380LQ331M315J022 | 0.603 | 0.301 | 1.82 | 2.55 | 25 x 30 |
| 330 | 380LQ331M315K012 | 0.603 | 0.301 | 1.82 | 2.55 | 30 x 25 |
| 390 | 380LQ391M315H452 | 0.510 | 0.255 | 2.01 | 2.81 | 22 x 45 |
| 390 | 380LQ391M315J032 | 0.510 | 0.255 | 2.01 | 2.81 | 25 x 35 |
| 390 | 390LQ391M315K022 | 0.51 | 0.255 | 2.01 | 2.81 | 30 x 30 |
| 470 | 380LQ471M315H052 | 0.423 | 0.212 | 2.27 | 3.18 | 22 x 50 |
| 470 | 380LQ471M315J042 | 0.423 | 0.212 | 2.27 | 3.18 | 25 x 40 |
| 470 | 380LQ471M315K022 | 0.423 | 0.212 | 2.27 | 3.18 | 30 x 30 |
| 470 | 380LQ471M315A012 | 0.423 | 0.233 | 2.27 | 3.18 | 35 x 25 |
| 560 | 380LQ561M315J452 | 0.355 | 0.178 | 2.56 | 3.58 | 25 x 45 |
| 560 | 380LQ561M315K032 | 0.355 | 0.178 | 2.56 | 3.58 | 30 x 35 |
| 560 | 380LQ561M315A022 | 0.355 | 0.195 | 2.56 | 3.58 | 35 x 30 |
| 680 | 380LQ681M35K042 | 0.293 | 0.148 | 2.87 | 4.02 | 30 x 40 |
| 680 | 380LQ681M315A032 | 0.293 | 0.146 | 2.87 | 4.55 | 35 x 35 |
| 820 | 380LQ821M315K452 | 0.243 | 0.121 | 3.25 | 4.55 | 30 x 45 |
| 820 | 380LQ821M315A042 | 0.243 | 0.121 | 3.25 | 4.55 | 35 x 40 |
| 1000 | 380LQ102M315K052 | 0.199 | 0.09 | 3.63 | 5.08 | 30 x 50 |
| 1000 | 380LQ102M315A452 | 0.199 | 0.109 | 3.63 | 5.08 | 35 x 45 |
| 350 Vdc (400 Vdc Surge) | | | | | | |
| 150 | 380LQ151M350H012 | 1.328 | 0.663 | 1.12 | 1.57 | 22 x 25 |
| 180 | 380LQ181M350H022 | 1.105 | 0.553 | 1.22 | 1.71 | 22 x 30 |
| 220 | 380LQ221M350H032 | 0.904 | 0.452 | 1.44 | 2.02 | 22 x 35 |
| 270 | 380LQ271M350H042 | 0.737 | 0.368 | 1.66 | 2.32 | 22 x 40 |
| 270 | 380LQ271M350J022 | 0.737 | 0.368 | 1.66 | 2.32 | 25 x 30 |
| 330 | 380LQ331M350H452 | 0.603 | 0.301 | 1.88 | 2.63 | 22 x 45 |
| 330 | 380LQ331M350J032 | 0.603 | 0.301 | 1.88 | 2.63 | 25 x 35 |
| 390 | 380LQ391M350H052 | 0.510 | 0.255 | 2.06 | 2.88 | 22 x 50 |
| 390 | 380LQ391M350J042 | 0.51 | 0.255 | 2.06 | 2.88 | 25 x 40 |
| 390 | 380LQ391M350K022 | 0.51 | 0.255 | 2.06 | 2.88 | 30 x 30 |

| Cap. (µF) | Catalog Part Number | ESR Max @ 25° C | | Ripple Amps @ 85 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|---------------|------------------------|---------------|----------------------------------|
| | | 120 Hz (Ω) | 20 kHz (Ω) | 120 Hz (A) | 20 kHz (A) | |
| 350 Vdc (400 Vdc Surge) | | | | | | |
| 390 | 380LQ391M350A012 | 0.51 | 0.255 | 2.06 | 2.88 | 35 x 25 |
| 470 | 380LQ471M350J452 | 0.423 | 0.211 | 2.40 | 3.36 | 25 x 45 |
| 470 | 380LQ471M350K032 | 0.423 | 0.211 | 2.40 | 3.36 | 30 x 35 |
| 470 | 380LQ471M350A022 | 0.423 | 0.211 | 2.40 | 3.36 | 35 x 30 |
| 560 | 380LQ561M350J050 | 0.355 | 0.178 | 2.60 | 3.64 | 25 x 50 |
| 560 | 380LQ561M350K042 | 0.355 | 0.178 | 2.60 | 3.64 | 30 x 40 |
| 560 | 380LQ561M350A022 | 0.355 | 0.178 | 2.60 | 3.64 | 35 x 30 |
| 680 | 380LQ681M350K452 | 0.293 | 0.146 | 2.96 | 4.14 | 30 x 45 |
| 680 | 380LQ681M350A032 | 0.293 | 0.146 | 2.96 | 4.14 | 35 x 35 |
| 820 | 380LQ821M350K052 | 0.243 | 0.121 | 3.25 | 4.55 | 30 x 50 |
| 820 | 380LQ821M350A452 | 0.243 | 0.121 | 3.25 | 4.55 | 35 x 45 |
| 1000 | 380LQ102M350A052 | 0.199 | 0.109 | 3.54 | 4.96 | 35 x 50 |
| 400 Vdc (450 Vdc Surge) | | | | | | |
| 120 | 380LQ121M400H012 | 1.658 | 0.83 | 1.02 | 1.43 | 22 x 25 |
| 150 | 380LQ151M400H022 | 1.326 | 0.66 | 1.16 | 1.62 | 22 x 30 |
| 180 | 380LQ181M400H022 | 1.105 | 0.552 | 1.30 | 1.80 | 22 x 30 |
| 180 | 380LQ181M400H032 | 1.105 | 0.552 | 1.44 | 2.02 | 22 x 35 |
| 220 | 380LQ221M400H032 | 0.904 | 0.452 | 1.40 | 1.90 | 22 x 35 |
| 220 | 380LQ221M400H042 | 0.904 | 0.452 | 1.49 | 2.09 | 22 x 40 |
| 220 | 380LQ221M400J022 | 0.904 | 0.452 | 1.49 | 2.09 | 25 x 30 |
| 270 | 380LQ271M400H452 | 0.737 | 0.368 | 1.67 | 2.34 | 22 x 45 |
| 270 | 380LQ271M400J032 | 0.737 | 0.368 | 1.67 | 2.34 | 25 x 35 |
| 270 | 380LQ271M400K022 | 0.737 | 0.368 | 1.67 | 2.34 | 30 x 30 |
| 330 | 380LQ331M400H052 | 0.603 | 0.301 | 1.90 | 2.66 | 22 x 50 |
| 330 | 380LQ331M400J042 | 0.603 | 0.301 | 1.90 | 2.66 | 25 x 40 |
| 330 | 380LQ331M400K022 | 0.603 | 0.301 | 1.90 | 2.66 | 30 x 30 |
| 330 | 380LQ331M400A012 | 0.603 | 0.301 | 1.90 | 2.66 | 35 x 25 |
| 390 | 380LQ391M400J452 | 0.510 | 0.255 | 2.13 | 2.98 | 25 x 45 |
| 390 | 380LQ391M400K032 | 0.510 | 0.255 | 2.13 | 2.98 | 30 x 35 |
| 390 | 380LQ391M400A022 | 0.510 | 0.255 | 2.13 | 2.98 | 35 x 30 |
| 470 | 380LQ471M400J052 | 0.423 | 0.212 | 2.39 | 3.35 | 25 x 50 |
| 470 | 380LQ471M400K042 | 0.423 | 0.212 | 2.39 | 3.35 | 30 x 40 |
| 470 | 380LQ471M400A022 | 0.423 | 0.212 | 2.39 | 3.35 | 35 x 30 |
| 560 | 380LQ561M400K452 | 0.355 | 0.178 | 2.69 | 3.77 | 30 x 45 |
| 560 | 380LQ561M400A032 | 0.355 | 0.178 | 2.69 | 3.77 | 35 x 35 |
| 680 | 380LQ681M400K052 | 0.293 | 0.148 | 2.96 | 4.14 | 30 x 50 |
| 680 | 380LQ681M400A042 | 0.293 | 0.148 | 2.70 | 3.80 | 35 x 40 |
| 680 | 380LQ681M400A452 | 0.293 | 0.148 | 2.96 | 4.14 | 35 x 45 |
| 820 | 380LQ821M400A452 | 0.243 | 0.122 | 2.95 | 4.15 | 35 x 45 |
| 820 | 380LQ821M400A052 | 0.243 | 0.122 | 3.25 | 4.55 | 35 x 50 |
| 420 Vdc (470 Vdc Surge) | | | | | | |
| 150 | 380LQ151M420H022 | 1.33 | 0.66 | 1.20 | 1.65 | 22 x 30 |

Type 380LQ 85 °C Compact, High Capacitance Snap-in Capacitors

Higher Capacitance per Case Size

| Cap. (µF) | Catalog Part Number | ESR Max @ 25° C | | Ripple Amps @ 85 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|---------------|------------------------|---------------|----------------------------------|
| | | 120 Hz (Ω) | 20 kHz (Ω) | 120 Hz (A) | 20 kHz (A) | |
| 420 Vdc (470 Vdc Surge) | | | | | | |
| 150 | 380LQ151M420J012 | 1.33 | 0.66 | 1.20 | 1.65 | 25 x 25 |
| 180 | 380LQ181M420H032 | 1.1 | 0.55 | 1.40 | 1.95 | 22 x 35 |
| 220 | 380LQ221M420H042 | 0.904 | 0.452 | 1.50 | 2.10 | 22 x 40 |
| 220 | 380LQ221M420J032 | 0.904 | 0.452 | 1.50 | 2.10 | 25 x 35 |
| 220 | 380LQ221M420K012 | 0.904 | 0.452 | 1.50 | 2.10 | 30 x 25 |
| 270 | 380LQ271M420H452 | 0.737 | 0.368 | 1.75 | 2.40 | 22 x 45 |
| 270 | 380LQ271M420J042 | 0.737 | 0.368 | 1.75 | 2.40 | 25 x 40 |
| 330 | 380LQ331M420J452 | 0.603 | 0.302 | 1.95 | 2.75 | 25 x 45 |
| 330 | 380LQ331M420K022 | 0.603 | 0.302 | 1.95 | 2.75 | 30 x 30 |
| 390 | 380LQ391M420J052 | 0.51 | 0.255 | 2.15 | 3.05 | 25 x 50 |
| 390 | 380LQ391M420K032 | 0.51 | 0.255 | 2.15 | 3.05 | 30 x 35 |
| 390 | 380LQ391M420A022 | 0.51 | 0.255 | 2.15 | 3.05 | 35 x 30 |
| 470 | 380LQ471M420K042 | 0.423 | 0.212 | 2.45 | 3.40 | 30 x 40 |
| 470 | 380LQ471M420A032 | 0.423 | 0.212 | 2.45 | 3.40 | 35 x 35 |
| 560 | 380LQ561M420K452 | 0.355 | 0.178 | 2.75 | 3.85 | 30 x 45 |
| 560 | 380LQ561M420A042 | 0.355 | 0.178 | 2.75 | 3.85 | 35 x 40 |
| 680 | 380LQ681M420A452 | 0.293 | 0.146 | 3.10 | 4.35 | 35 x 45 |
| 82 | 380LQ820M450H012 | 2.426 | 1.213 | 0.83 | 1.16 | 22 x 25 |
| 100 | 380LQ101M450H012 | 1.99 | 0.995 | 0.93 | 1.30 | 22 x 25 |
| 120 | 380LQ121M450H022 | 1.656 | 0.829 | 1.04 | 1.46 | 22 x 30 |
| 150 | 380LQ151M450H032 | 1.326 | 0.663 | 1.19 | 1.67 | 22 x 35 |

| Cap. (µF) | Catalog Part Number | ESR Max @ 25° C | | Ripple Amps @ 85 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|---------------|------------------------|---------------|----------------------------------|
| | | 120 Hz (Ω) | 20 kHz (Ω) | 120 Hz (A) | 20 kHz (A) | |
| 450 Vdc (500 Vdc Surge) | | | | | | |
| 150 | 380LQ151M450J022 | 1.326 | 0.663 | 1.19 | 1.67 | 25 x 30 |
| 180 | 380LQ181M450H042 | 1.105 | 0.553 | 1.35 | 1.89 | 22 x 40 |
| 180 | 380LQ181M450J022 | 1.105 | 0.553 | 1.35 | 1.89 | 25 x 30 |
| 220 | 380LQ221M450H452 | 0.904 | 0.452 | 1.55 | 2.17 | 22 x 45 |
| 220 | 380LQ221M450J032 | 0.904 | 0.452 | 1.45 | 2.00 | 25 x 35 |
| 220 | 380LQ221M450J042 | 0.904 | 0.452 | 1.55 | 2.17 | 25 x 40 |
| 220 | 380LQ221M450K022 | 0.904 | 0.452 | 1.55 | 2.17 | 30 x 30 |
| 220 | 380LQ221M450A012 | 0.904 | 0.452 | 1.55 | 2.17 | 35 x 25 |
| 270 | 380LQ271M450H052 | 0.737 | 0.368 | 1.78 | 2.49 | 22 x 50 |
| 270 | 380LQ271M450J042 | 0.737 | 0.368 | 1.78 | 2.49 | 25 x 40 |
| 270 | 380LQ271M450K022 | 0.737 | 0.368 | 1.78 | 2.49 | 30 x 30 |
| 330 | 380LQ331M450J052 | 0.603 | 0.302 | 2.01 | 2.81 | 25 x 50 |
| 330 | 380LQ331M450K032 | 0.603 | 0.302 | 1.90 | 2.60 | 30 x 35 |
| 330 | 380LQ331M450K042 | 0.603 | 0.302 | 2.01 | 2.81 | 30 x 40 |
| 330 | 380LQ331M450A022 | 0.603 | 0.302 | 2.01 | 2.81 | 35 x 30 |
| 390 | 380LQ391M450K042 | 0.510 | 0.255 | 2.24 | 3.14 | 30 x 40 |
| 390 | 380LQ391M450A032 | 0.510 | 0.255 | 2.24 | 3.14 | 35 x 35 |
| 470 | 380LQ471M450K452 | 0.423 | 0.212 | 2.53 | 3.54 | 30 x 45 |
| 470 | 380LQ471M450A042 | 0.423 | 0.212 | 2.53 | 3.54 | 35 x 40 |
| 560 | 380LQ561M450K052 | 0.355 | 0.178 | 2.82 | 3.95 | 30 x 50 |
| 560 | 380LQ561M450A452 | 0.355 | 0.178 | 2.82 | 3.95 | 35 x 45 |
| 680 | 380LQ681M450A052 | 0.293 | 0.146 | 3.00 | 4.25 | 35 x 50 |

Type 380LQ 85 °C Compact, High Capacitance Snap-in Capacitors

Higher Capacitance per Case Size

Typical Performance Curves



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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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