

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size



Type 381LQ is on average 23% smaller and more than 5 mm shorter than Type 381LX. This is achieved with a new can closure method that permits installing capacitor elements into smaller cans. Approaching the robust capability of the 381L the new 381LQ enables you to shrink equipment size and retain the original performance.

Highlights

- More capacitance per case
- Compares to the 381L

Specifications

| Temperature Range | -40 °C to + 105 °C ≤ 315 Vdc -25 °C to + 105 °C ≥ 350 Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|-------|--------|---------|--------|-------------|--------|--|------|------|------|------|------|---------|-------|-------|--------|---------|-------|-------------|--------------|------|------|------|------|------|------|---------------|------|------|------|------|------|------|
| Rated Voltage Range | 10 Vdc to 450 Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Range | 100 μF to 100,000 μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Tolerance | ± 20% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | ≤ 3 \sqrt{CV} μA, 4 mA max, 5 minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ripple Current Multipliers | Ambient Temperature <table border="1" data-bbox="848 972 1505 1052"> <thead> <tr> <th></th> <th>45 °C</th> <th>60 °C</th> <th>70 °C</th> <th>85 °C</th> <th>105 °C</th> </tr> </thead> <tbody> <tr> <td></td> <td>2.35</td> <td>2.20</td> <td>2.00</td> <td>1.70</td> <td>1.00</td> </tr> </tbody> </table> Frequency <table border="1" data-bbox="848 1095 1463 1274"> <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>10 - 100 WVV</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> <tr> <td>160 - 450 WVV</td> <td>0.75</td> <td>0.80</td> <td>1.00</td> <td>1.20</td> <td>1.25</td> <td>1.40</td> </tr> </tbody> </table> | | 45 °C | 60 °C | 70 °C | 85 °C | 105 °C | | 2.35 | 2.20 | 2.00 | 1.70 | 1.00 | Voltage | 50 Hz | 60 Hz | 120 Hz | 500 kHz | 1 kHz | 10 kHz & Up | 10 - 100 WVV | 0.93 | 0.95 | 1.00 | 1.05 | 1.08 | 1.15 | 160 - 450 WVV | 0.75 | 0.80 | 1.00 | 1.20 | 1.25 | 1.40 |
| | 45 °C | 60 °C | 70 °C | 85 °C | 105 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2.35 | 2.20 | 2.00 | 1.70 | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Voltage | 50 Hz | 60 Hz | 120 Hz | 500 kHz | 1 kHz | 10 kHz & Up | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 - 100 WVV | 0.93 | 0.95 | 1.00 | 1.05 | 1.08 | 1.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 - 450 WVV | 0.75 | 0.80 | 1.00 | 1.20 | 1.25 | 1.40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Low Temperature Characteristics | Impedance ratio: $Z_{-20°C}/Z_{+25°C}$ ≤ 10 (10 Vdc) ≤ 8 (16–50 Vdc) ≤ 4 (63–100 Vdc) ≤ 3 (150–450 Vdc) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endurance Life Test | 2000 h at full load at 105 °C Δ Capacitance ±20% ESR 200% of limit DCL 100% of limit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shelf Life Test | 1000 h at 105 °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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

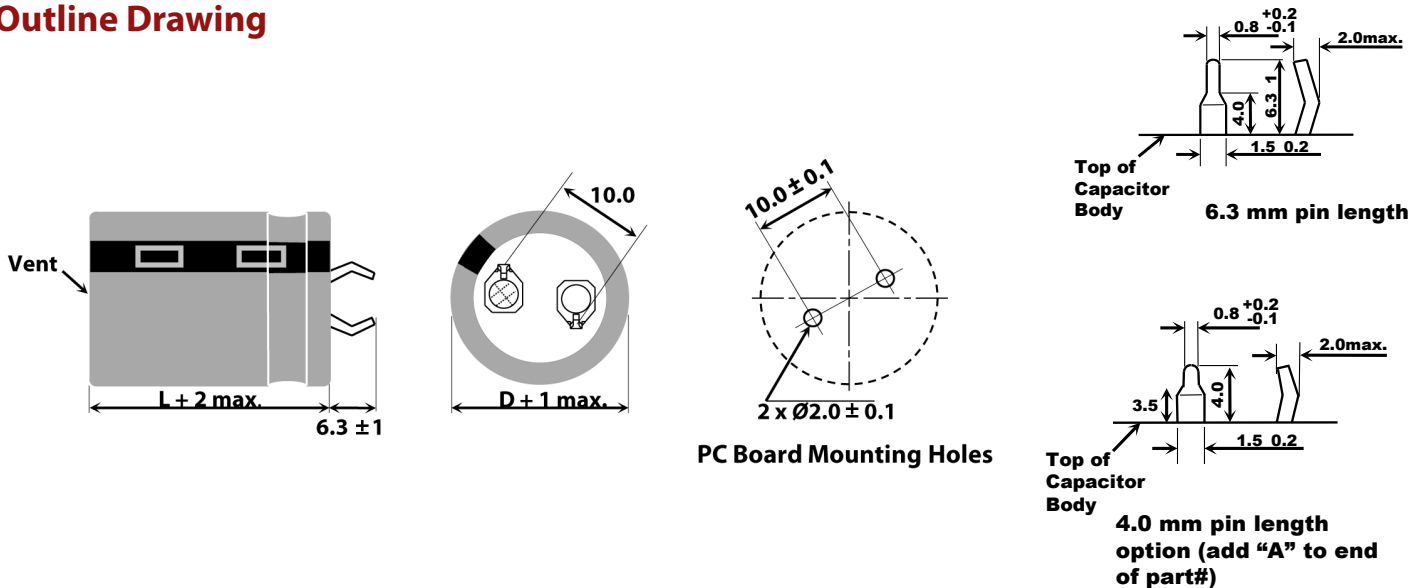
Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size

Part Numbering System

| | | | | | | | |
|--------------|---|-----------------|--|------------|-------------------|--|--|
| 381LQ | 821 | M | 400 | A05 | 2 | A | +D |
| Type | Cap | Tolerance | Voltage | Case Code | Insulating Sleeve | Pin Style | Blank = no end disk if <250 V D = end disk, any voltage |
| 381LQ | 471 = 470 μF 332 = 3300 μF 103 = 10,000 μF | M = ±20% | 160 = 160 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 | | LENGTH | | Typical Weight (grams) |
|-----------|----------|--------|--------|--------|------------------------|
| | mm | inches | mm | inches | |
| H01 | 22 | 0.87 | 25 | 0.98 | 16 |
| H02 | 22 | 0.87 | 30 | 1.18 | 19 |
| H03 | 22 | 0.87 | 35 | 1.38 | 22 |
| H04 | 22 | 0.87 | 40 | 1.57 | 24 |
| H45 | 22 | 0.87 | 45 | 1.77 | 28 |
| H05 | 22 | 0.87 | 50 | 1.97 | 31 |
| J01 | 25 | 0.98 | 25 | 0.98 | 20 |
| J02 | 25 | 0.98 | 30 | 1.18 | 24 |
| J03 | 25 | 0.98 | 35 | 1.38 | 27 |
| J04 | 25 | 0.98 | 40 | 1.57 | 31 |
| J45 | 25 | 0.98 | 45 | 1.77 | 35 |
| J05 | 25 | 0.98 | 50 | 1.97 | 38 |

| Case Code | DIAMETER | | LENGTH | | Typical Weight (grams) |
|-----------|----------|--------|--------|--------|------------------------|
| | mm | inches | mm | inches | |
| K01 | 30 | 1.18 | 25 | 0.98 | 30 |
| K02 | 30 | 1.18 | 30 | 1.18 | 35 |
| K03 | 30 | 1.18 | 35 | 1.38 | 40 |
| K04 | 30 | 1.18 | 40 | 1.57 | 44 |
| K45 | 30 | 1.18 | 45 | 1.77 | 49 |
| K05 | 30 | 1.18 | 50 | 1.97 | 53 |
| A01 | 35 | 1.38 | 25 | 0.98 | 42 |
| A02 | 35 | 1.38 | 30 | 1.18 | 48 |
| A03 | 35 | 1.38 | 35 | 1.38 | 54 |
| A04 | 35 | 1.38 | 40 | 1.57 | 60 |
| A45 | 35 | 1.38 | 45 | 1.77 | 67 |
| A05 | 35 | 1.38 | 50 | 1.97 | 74 |

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size Ratings

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 10 Vdc (13 Vdc Surge) | | | | | | |
| 12000 | 381LQ123M010H012 | 0.076 | 0.065 | 2.20 | 2.53 | 22 x 25 |
| 18000 | 381LQ183M010H022 | 0.051 | 0.043 | 2.40 | 2.76 | 22 x 30 |
| 18000 | 381LQ183M010H012 | 0.051 | 0.043 | 2.40 | 2.76 | 25 x 25 |
| 22000 | 381LQ223M010H032 | 0.041 | 0.035 | 2.60 | 2.99 | 22 x 35 |
| 22000 | 381LQ223M010J022 | 0.041 | 0.035 | 2.60 | 2.99 | 25 x 30 |
| 27000 | 381LQ273M010H042 | 0.034 | 0.029 | 3.10 | 3.57 | 22 x 40 |
| 27000 | 381LQ273M010J032 | 0.034 | 0.029 | 3.10 | 3.57 | 25 x 35 |
| 27000 | 381LQ273M010K012 | 0.034 | 0.029 | 3.10 | 3.57 | 30 x 25 |
| 33000 | 381LQ333M010H452 | 0.028 | 0.023 | 3.40 | 3.91 | 22 x 45 |
| 33000 | 381LQ333M010J042 | 0.028 | 0.023 | 3.40 | 3.91 | 25 x 40 |
| 39000 | 381LQ393M010J452 | 0.026 | 0.022 | 3.70 | 4.26 | 25 x 45 |
| 39000 | 381LQ393M010K022 | 0.026 | 0.023 | 3.70 | 4.26 | 30 x 30 |
| 39000 | 381LQ393M010A012 | 0.026 | 0.022 | 3.70 | 4.26 | 35 x 25 |
| 47000 | 381LQ473M010J052 | 0.024 | 0.021 | 4.20 | 4.83 | 25 x 50 |
| 47000 | 381LQ473M010K032 | 0.024 | 0.022 | 4.20 | 4.83 | 30 x 35 |
| 47000 | 381LQ473M010A022 | 0.024 | 0.021 | 4.20 | 4.83 | 35 x 30 |
| 56000 | 381LQ563M010K042 | 0.023 | 0.021 | 5.00 | 5.75 | 30 x 40 |
| 56000 | 381LQ563M010A032 | 0.023 | 0.020 | 5.00 | 5.75 | 35 x 35 |
| 68000 | 381LQ683M010K452 | 0.022 | 0.020 | 5.40 | 6.21 | 30 x 45 |
| 68000 | 381LQ683M010A042 | 0.022 | 0.019 | 5.40 | 6.21 | 35 x 40 |
| 82000 | 381LQ823M010A452 | 0.021 | 0.019 | 6.10 | 7.02 | 35 x 45 |
| 100000 | 381LQ104M010A052 | 0.020 | 0.019 | 6.90 | 7.94 | 35 x 50 |
| 16 Vdc (20 Vdc Surge) | | | | | | |
| 10000 | 381LQ103M016H012 | 0.075 | 0.063 | 2.60 | 2.99 | 22 x 25 |
| 12000 | 381LQ123M016H022 | 0.062 | 0.053 | 2.90 | 3.34 | 22 x 30 |
| 12000 | 381LQ123M016J012 | 0.062 | 0.053 | 2.90 | 3.34 | 25 x 25 |
| 15000 | 381LQ153M016H032 | 0.050 | 0.042 | 3.20 | 3.68 | 22 x 35 |
| 18000 | 381LQ183M016H042 | 0.041 | 0.035 | 3.50 | 4.03 | 22 x 40 |
| 18000 | 381LQ183M016J022 | 0.041 | 0.035 | 3.50 | 4.03 | 25 x 30 |
| 22000 | 381LQ223M016H452 | 0.034 | 0.029 | 3.80 | 4.37 | 22 x 45 |
| 22000 | 381LQ223M016J032 | 0.034 | 0.029 | 3.80 | 4.37 | 25 x 35 |
| 22000 | 381LQ223M016H012 | 0.034 | 0.029 | 3.80 | 4.37 | 30 x 25 |
| 27000 | 381LQ273M016H052 | 0.028 | 0.023 | 4.20 | 4.83 | 22 x 50 |
| 27000 | 381LQ273M016J042 | 0.028 | 0.023 | 4.20 | 4.83 | 25 x 40 |
| 27000 | 381LQ273M016K022 | 0.028 | 0.023 | 4.20 | 4.83 | 30 x 30 |
| 27000 | 381LQ273M016A012 | 0.028 | 0.023 | 4.20 | 4.83 | 35 x 25 |
| 33000 | 381LQ333M016J452 | 0.023 | 0.019 | 4.70 | 5.41 | 25 x 45 |
| 33000 | 381LQ333M016K032 | 0.023 | 0.019 | 4.70 | 5.41 | 30 x 35 |
| 33000 | 381LQ333M016A022 | 0.023 | 0.020 | 4.70 | 5.41 | 35 x 30 |
| 39000 | 381LQ393M016K042 | 0.022 | 0.018 | 5.10 | 5.87 | 30 x 40 |
| 39000 | 381LQ393M016A032 | 0.022 | 0.020 | 5.10 | 5.87 | 35 x 35 |
| 47000 | 381LQ473M016K452 | 0.016 | 0.014 | 5.50 | 6.33 | 30 x 45 |
| 47000 | 381LQ473M016A042 | 0.021 | 0.019 | 5.50 | 6.33 | 35 x 40 |
| 56000 | 381LQ563M016K052 | 0.020 | 0.018 | 6.00 | 6.90 | 30 x 50 |
| 25 Vdc (32 Vdc Surge) | | | | | | |
| 56000 | 381LQ563M016A452 | 0.020 | 0.018 | 6.00 | 6.90 | 35 x 45 |
| 6800 | 381LQ682M025H012 | 0.085 | 0.064 | 2.40 | 2.76 | 22 x 25 |
| 8200 | 381LQ822M025H022 | 0.071 | 0.053 | 2.70 | 3.11 | 22 x 30 |
| 8200 | 381LQ822M025J012 | 0.071 | 0.053 | 2.70 | 3.11 | 25 x 25 |
| 10000 | 381LQ103M025H032 | 0.058 | 0.044 | 3.00 | 3.45 | 22 x 35 |
| 12000 | 381LQ123M025H042 | 0.048 | 0.036 | 3.20 | 3.68 | 22 x 40 |
| 12000 | 381LQ123M025J022 | 0.048 | 0.036 | 3.20 | 3.68 | 25 x 30 |
| 15000 | 381LQ153M025H452 | 0.039 | 0.029 | 3.60 | 4.14 | 22 x 45 |
| 15000 | 381LQ153M025J032 | 0.039 | 0.029 | 3.60 | 4.14 | 25 x 35 |
| 15000 | 381LQ153M025K012 | 0.039 | 0.029 | 3.60 | 4.14 | 30 x 25 |
| 18000 | 381LQ183M025H052 | 0.032 | 0.024 | 3.90 | 4.49 | 22 x 50 |
| 18000 | 381LQ183M025J042 | 0.032 | 0.024 | 3.90 | 4.49 | 25 x 40 |
| 18000 | 381LQ183M025K022 | 0.032 | 0.024 | 3.90 | 4.49 | 30 x 30 |
| 18000 | 381LQ183M025A012 | 0.032 | 0.024 | 3.90 | 4.49 | 35 x 25 |
| 22000 | 381LQ223M025J452 | 0.026 | 0.020 | 4.30 | 4.95 | 25 x 45 |
| 22000 | 381LQ223M025K032 | 0.026 | 0.020 | 4.30 | 4.95 | 30 x 35 |
| 22000 | 381LQ223M025A022 | 0.026 | 0.020 | 4.30 | 4.95 | 35 x 30 |
| 27000 | 381LQ273M025K042 | 0.021 | 0.016 | 4.80 | 5.52 | 30 x 40 |
| 27000 | 381LQ273M025A032 | 0.021 | 0.016 | 4.80 | 5.52 | 35 x 35 |
| 33000 | 381LQ333M025K452 | 0.018 | 0.013 | 5.50 | 6.33 | 30 x 45 |
| 33000 | 381LQ333M025A042 | 0.018 | 0.014 | 5.50 | 6.33 | 35 x 40 |
| 39000 | 381LQ393M025K052 | 0.017 | 0.013 | 5.80 | 6.67 | 30 x 50 |
| 39000 | 381LQ393M025A452 | 0.017 | 0.014 | 5.80 | 6.67 | 35 x 45 |
| 47000 | 381LQ473M025A052 | 0.017 | 0.014 | 6.30 | 7.25 | 35 x 50 |
| 35 Vdc (44 Vdc Surge) | | | | | | |
| 4700 | 381LQ472M035H012 | 0.106 | 0.079 | 2.20 | 2.53 | 22 x 25 |
| 5600 | 381LQ562M035H022 | 0.089 | 0.067 | 2.40 | 2.76 | 22 x 30 |
| 5600 | 381LQ562M035J012 | 0.089 | 0.067 | 2.40 | 2.76 | 25 x 25 |
| 6800 | 381LQ682M035H032 | 0.073 | 0.055 | 2.60 | 2.99 | 22 x 35 |
| 8200 | 381LQ822M035H042 | 0.061 | 0.045 | 2.90 | 3.34 | 22 x 40 |
| 8200 | 381LQ822M035J022 | 0.061 | 0.045 | 2.90 | 3.34 | 25 x 30 |
| 10000 | 381LQ103M035H452 | 0.050 | 0.037 | 3.20 | 3.68 | 22 x 45 |
| 10000 | 381LQ103M035J032 | 0.050 | 0.037 | 3.20 | 3.68 | 25 x 35 |
| 10000 | 381LQ103M035K012 | 0.050 | 0.037 | 3.20 | 3.68 | 30 x 25 |
| 12000 | 381LQ123M035J042 | 0.041 | 0.031 | 3.50 | 4.03 | 25 x 40 |
| 12000 | 381LQ123M035K022 | 0.041 | 0.031 | 3.50 | 4.03 | 30 x 30 |
| 12000 | 381LQ123M035A012 | 0.041 | 0.031 | 3.50 | 4.03 | 35 x 25 |
| 15000 | 381LQ153M035J452 | 0.033 | 0.025 | 3.90 | 4.49 | 25 x 45 |
| 15000 | 381LQ153M035K032 | 0.033 | 0.025 | 3.90 | 4.49 | 30 x 35 |
| 15000 | 381LQ153M035A022 | 0.033 | 0.025 | 3.90 | 4.49 | 35 x 30 |
| 18000 | 381LQ183M035K042 | 0.028 | 0.021 | 4.30 | 4.95 | 30 x 40 |
| 18000 | 381LQ183M035A032 | 0.028 | 0.021 | 4.30 | 4.95 | 35 x 35 |
| 22000 | 381LQ223M035K452 | 0.023 | 0.017 | 5.00 | 5.75 | 30 x 45 |
| 22000 | 381LQ223M035A042 | 0.023 | 0.017 | 5.00 | 5.75 | 35 x 40 |

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 27000 | 381LQ273M035K052 | 0.018 | 0.014 | 5.30 | 6.10 | 30 x 50 |
| 27000 | 381LQ273M035A452 | 0.018 | 0.014 | 5.30 | 6.10 | 35 x 45 |
| 33000 | 381LQ333M035A052 | 0.015 | 0.012 | 5.90 | 6.79 | 35 x 50 |
| 50 Vdc (63 Vdc Surge) | | | | | | |
| 2700 | 381LQ272M050H012 | 0.154 | 0.115 | 1.80 | 2.07 | 22 x 25 |
| 3300 | 381LQ332M050H022 | 0.126 | 0.094 | 2.00 | 2.30 | 22 x 30 |
| 3900 | 381LQ392M050H032 | 0.106 | 0.080 | 2.20 | 2.53 | 22 x 35 |
| 3900 | 381LQ392M050J012 | 0.106 | 0.080 | 2.20 | 2.53 | 25 x 25 |
| 4700 | 381LQ472M050H042 | 0.088 | 0.066 | 2.50 | 2.88 | 22 x 40 |
| 4700 | 381LQ472M050J022 | 0.088 | 0.066 | 2.50 | 2.88 | 25 x 30 |
| 5600 | 381LQ562M050H452 | 0.074 | 0.056 | 2.80 | 3.22 | 22 x 45 |
| 5600 | 381LQ562M050J032 | 0.074 | 0.056 | 2.80 | 3.22 | 25 x 35 |
| 4700 | 381LQ472M050H042 | 0.088 | 0.066 | 2.50 | 2.88 | 22 x 40 |
| 4700 | 381LQ472M050J022 | 0.088 | 0.066 | 2.50 | 2.88 | 25 x 30 |
| 5600 | 381LQ562M050H452 | 0.074 | 0.056 | 2.80 | 3.22 | 22 x 45 |
| 5600 | 381LQ562M050J032 | 0.074 | 0.056 | 2.80 | 3.22 | 25 x 35 |
| 5600 | 381LQ562M050K012 | 0.074 | 0.056 | 2.80 | 3.22 | 30 x 25 |
| 6800 | 381LQ682M050H052 | 0.061 | 0.046 | 3.30 | 3.80 | 22 x 50 |
| 6800 | 381LQ682M050J042 | 0.061 | 0.046 | 3.30 | 3.80 | 25 x 40 |
| 6800 | 381LQ682M050K022 | 0.061 | 0.046 | 3.30 | 3.80 | 30 x 30 |
| 6800 | 381LQ682M050A012 | 0.061 | 0.046 | 3.30 | 3.80 | 35 x 25 |
| 8200 | 381LQ822M050J452 | 0.051 | 0.038 | 3.60 | 4.14 | 25 x 45 |
| 8200 | 381LQ822M050K032 | 0.051 | 0.038 | 3.60 | 4.14 | 30 x 35 |
| 10000 | 381LQ103M050J052 | 0.041 | 0.031 | 4.00 | 4.60 | 25 x 50 |
| 10000 | 381LQ103M050K042 | 0.041 | 0.031 | 4.00 | 4.60 | 30 x 40 |
| 10000 | 381LQ103M050A022 | 0.041 | 0.031 | 4.00 | 4.60 | 35 x 30 |
| 12000 | 381LQ123M050K452 | 0.035 | 0.026 | 4.50 | 5.18 | 30 x 45 |
| 12000 | 381LQ123M050A032 | 0.035 | 0.028 | 4.50 | 5.18 | 35 x 35 |
| 15000 | 381LQ153M050K052 | 0.028 | 0.021 | 4.80 | 5.52 | 30 x 50 |
| 15000 | 381LQ153M050A042 | 0.028 | 0.022 | 4.80 | 5.52 | 35 x 40 |
| 18000 | 381LQ183M050A452 | 0.023 | 0.018 | 5.60 | 6.44 | 35 x 45 |
| 63 Vdc (79 Vdc Surge) | | | | | | |
| 2200 | 381LQ222M063H012 | 0.151 | 0.113 | 2.00 | 2.30 | 22 x 25 |
| 2700 | 381LQ272M063H022 | 0.123 | 0.092 | 2.20 | 2.53 | 22 x 30 |
| 2700 | 381LQ272M063J012 | 0.123 | 0.092 | 2.20 | 2.53 | 25 x 25 |
| 3300 | 381LQ332M063H032 | 0.100 | 0.075 | 2.50 | 2.88 | 22 x 35 |
| 3900 | 381LQ392M063H042 | 0.085 | 0.064 | 2.70 | 3.11 | 22 x 40 |
| 3900 | 381LQ392M063J022 | 0.085 | 0.064 | 2.70 | 3.11 | 25 x 30 |
| 3900 | 381LQ392M063K012 | 0.085 | 0.064 | 2.70 | 3.11 | 30 x 25 |
| 4700 | 381LQ472M063H452 | 0.071 | 0.053 | 3.00 | 3.45 | 22 x 45 |
| 4700 | 381LQ472M063J032 | 0.071 | 0.053 | 3.00 | 3.45 | 25 x 35 |
| 5600 | 381LQ562M063H052 | 0.059 | 0.044 | 3.30 | 3.80 | 22 x 50 |
| 5600 | 381LQ562M063J042 | 0.059 | 0.044 | 3.30 | 3.80 | 25 x 40 |
| 5600 | 381LQ562M063K022 | 0.059 | 0.044 | 3.30 | 3.80 | 30 x 30 |
| 80 Vdc (100 Vdc Surge) | | | | | | |
| 1200 | 381LQ122M080H012 | 0.235 | 0.176 | 1.50 | 1.73 | 22 x 25 |
| 1500 | 381LQ152M080H022 | 0.188 | 0.141 | 1.70 | 1.96 | 22 x 30 |
| 1500 | 381LQ152M080J012 | 0.188 | 0.141 | 1.70 | 1.96 | 25 x 25 |
| 1800 | 381LQ182M080H032 | 0.157 | 0.117 | 1.80 | 2.07 | 22 x 35 |
| 2200 | 381LQ222M080H042 | 0.128 | 0.096 | 2.10 | 2.42 | 22 x 40 |
| 2200 | 381LQ222M080J022 | 0.128 | 0.096 | 2.10 | 2.42 | 25 x 30 |
| 2700 | 381LQ272M080H452 | 0.104 | 0.078 | 2.40 | 2.76 | 22 x 45 |
| 2700 | 381LQ272M080J032 | 0.104 | 0.078 | 2.40 | 2.76 | 25 x 35 |
| 2700 | 381LQ272M080K012 | 0.104 | 0.078 | 2.40 | 2.76 | 30 x 25 |
| 3300 | 381LQ332M080H052 | 0.085 | 0.064 | 2.60 | 2.99 | 22 x 50 |
| 3300 | 381LQ332M080J042 | 0.085 | 0.064 | 2.60 | 2.99 | 25 x 40 |
| 3300 | 381LQ332M080K022 | 0.085 | 0.064 | 2.60 | 2.99 | 30 x 30 |
| 3300 | 381LQ332M080A012 | 0.085 | 0.064 | 2.60 | 2.99 | 35 x 25 |
| 3900 | 381LQ392M080J452 | 0.072 | 0.054 | 3.00 | 3.45 | 25 x 45 |
| 3900 | 381LQ392M080K032 | 0.072 | 0.054 | 3.00 | 3.45 | 30 x 35 |
| 4700 | 381LQ472M080J052 | 0.060 | 0.045 | 3.30 | 3.80 | 25 x 50 |
| 4700 | 381LQ472M080K042 | 0.060 | 0.045 | 3.30 | 3.80 | 30 x 40 |
| 4700 | 381LQ472M080A022 | 0.060 | 0.045 | 3.30 | 3.80 | 35 x 30 |
| 5600 | 381LQ562M080K452 | 0.050 | 0.038 | 3.70 | 4.26 | 30 x 45 |
| 5600 | 381LQ562M080A032 | 0.050 | 0.038 | 3.70 | 4.26 | 35 x 35 |
| 6800 | 381LQ682M080K052 | 0.041 | 0.031 | 3.90 | 4.49 | 30 x 50 |
| 6800 | 381LQ682M080A042 | 0.041 | 0.032 | 3.90 | 4.49 | 35 x 40 |
| 8200 | 381LQ822M080A452 | 0.034 | 0.027 | 4.50 | 5.18 | 35 x 45 |
| 100 Vdc (125 Vdc Surge) | | | | | | |
| 820 | 381LQ821M100H012 | 0.303 | 0.197 | 1.40 | 1.61 | 22 x 25 |
| 1200 | 381LQ122M100H022 | 0.207 | 0.135 | 1.80 | 2.07 | 22 x 30 |
| 1200 | 381LQ122M100J012 | 0.207 | 0.135 | 1.80 | 2.07 | 25 x 25 |
| 1500 | 381LQ152M100H032 | 0.166 | 0.108 | 2.10 | 2.42 | 22 x 35 |
| 1500 | 381LQ152M100J022 | 0.166 | 0.108 | 2.10 | 2.42 | 25 x 30 |
| 1800 | 381LQ182M100H042 | 0.138 | 0.090 | 2.30 | 2.65 | 22 x 40 |
| 1800 | 381LQ182M100J032 | 0.138 | 0.090 | 2.30 | 2.65 | 25 x 35 |
| 1800 | 381LQ182M100K012 | 0.138 | 0.090 | 2.30 | 2.65 | 30 x 25 |

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 100 Vdc (125 Vdc Surge) | | | | | | |
| 2200 | 381LQ222M100H452 | 0.113 | 0.073 | 2.60 | 2.99 | 22 x 45 |
| 2200 | 381LQ222M100J042 | 0.113 | 0.073 | 2.60 | 2.99 | 25 x 40 |
| 2200 | 381LQ222M100K022 | 0.113 | 0.073 | 2.60 | 2.99 | 30 x 30 |
| 2200 | 381LQ222M100A012 | 0.113 | 0.073 | 2.60 | 2.99 | 35 x 25 |
| 2700 | 381LQ272M100J452 | 0.092 | 0.060 | 2.90 | 3.34 | 25 x 45 |
| 2700 | 381LQ272M100K032 | 0.092 | 0.060 | 2.90 | 3.34 | 30 x 35 |
| 3300 | 381LQ332M100J052 | 0.075 | 0.049 | 3.20 | 3.68 | 25 x 50 |
| 3300 | 381LQ332M100K042 | 0.075 | 0.049 | 3.20 | 3.68 | 30 x 40 |
| 3300 | 381LQ332M100A022 | 0.075 | 0.049 | 3.20 | 3.68 | 35 x 30 |
| 3900 | 381LQ392M100K452 | 0.064 | 0.043 | 3.60 | 4.14 | 30 x 45 |
| 3900 | 381LQ392M100A032 | 0.064 | 0.043 | 3.60 | 4.14 | 35 x 35 |
| 4700 | 381LQ472M100K052 | 0.053 | 0.038 | 3.80 | 4.37 | 30 x 50 |
| 4700 | 381LQ472M100A042 | 0.053 | 0.037 | 3.80 | 4.37 | 35 x 40 |
| 5600 | 381LQ562M100A452 | 0.044 | 0.031 | 4.20 | 4.83 | 35 x 45 |
| 6800 | 381LQ682M100A052 | 0.037 | 0.027 | 4.70 | 5.41 | 35 x 50 |
| 160 Vdc (200 Vdc Surge) | | | | | | |
| 470 | 381LQ471M160H012 | 0.423 | 0.190 | 1.40 | 1.96 | 22 x 25 |
| 560 | 381LQ561M160H022 | 0.355 | 0.160 | 1.50 | 2.10 | 22 x 30 |
| 680 | 381LQ681M160H022 | 0.293 | 0.132 | 1.70 | 2.38 | 22 x 30 |
| 680 | 381LQ681M160J012 | 0.293 | 0.132 | 1.70 | 2.38 | 25 x 25 |
| 820 | 381LQ821M160H032 | 0.243 | 0.109 | 2.00 | 2.80 | 22 x 35 |
| 820 | 381LQ821M160J022 | 0.243 | 0.109 | 2.00 | 2.80 | 25 x 30 |
| 1000 | 381LQ102M160H042 | 0.199 | 0.090 | 2.20 | 3.08 | 22 x 40 |
| 1000 | 381LQ102M160J032 | 0.199 | 0.090 | 2.20 | 3.08 | 25 x 35 |
| 1000 | 381LQ102M160K012 | 0.216 | 0.108 | 2.20 | 3.08 | 30 x 25 |
| 1200 | 381LQ122M160H452 | 0.166 | 0.075 | 2.30 | 3.22 | 22 x 45 |
| 1200 | 381LQ122M160J042 | 0.166 | 0.075 | 2.30 | 3.22 | 25 x 40 |
| 1200 | 381LQ122M160K022 | 0.166 | 0.075 | 2.30 | 3.22 | 30 x 30 |
| 1200 | 381LQ122M160A012 | 0.180 | 0.090 | 2.30 | 3.22 | 35 x 25 |
| 1500 | 381LQ152M160J452 | 0.133 | 0.060 | 2.50 | 3.50 | 25 x 45 |
| 1500 | 381LQ152M160K032 | 0.133 | 0.060 | 2.50 | 3.50 | 30 x 35 |
| 1500 | 381LQ152M160A022 | 0.155 | 0.077 | 2.50 | 3.50 | 35 x 30 |
| 1800 | 381LQ182M160J052 | 0.110 | 0.055 | 2.70 | 3.78 | 25 x 50 |
| 1800 | 381LQ182M160K042 | 0.110 | 0.055 | 2.70 | 3.78 | 30 x 40 |
| 1800 | 381LQ182M160A022 | 0.120 | 0.060 | 2.70 | 3.78 | 35 x 30 |
| 2200 | 381LQ222M160K452 | 0.090 | 0.045 | 2.90 | 4.06 | 30 x 45 |
| 2200 | 381LQ222M160A032 | 0.098 | 0.049 | 2.90 | 4.06 | 35 x 35 |
| 2700 | 381LQ272M160K052 | 0.080 | 0.040 | 3.10 | 4.34 | 30 x 50 |
| 2700 | 381LQ272M160A042 | 0.086 | 0.043 | 3.10 | 4.34 | 35 x 40 |
| 3300 | 381LQ332M160A052 | 0.070 | 0.042 | 3.30 | 4.62 | 35 x 50 |
| 180 Vdc (225 Vdc Surge) | | | | | | |
| 560 | 381LQ561M180H022 | 0.355 | 0.160 | 1.50 | 2.10 | 22 x 30 |
| 560 | 381LQ561M180J012 | 0.355 | 0.160 | 1.50 | 2.10 | 25 x 25 |

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 180 Vdc (225 Vdc Surge) | | | | | | |
| 680 | 381LQ681M180H032 | 0.293 | 0.132 | 1.70 | 2.38 | 22 x 35 |
| 680 | 381LQ681M180J022 | 0.293 | 0.132 | 1.70 | 2.38 | 25 x 30 |
| 820 | 381LQ821M180H042 | 0.243 | 0.109 | 2.00 | 2.80 | 22 x 40 |
| 820 | 381LQ821M180J022 | 0.243 | 0.109 | 2.00 | 2.80 | 25 x 30 |
| 820 | 381LQ821M180K012 | 0.243 | 0.109 | 2.00 | 2.80 | 30 x 25 |
| 1000 | 381LQ102M180H452 | 0.199 | 0.090 | 2.20 | 3.08 | 22 x 45 |
| 1000 | 381LQ102M180J042 | 0.199 | 0.090 | 2.20 | 3.08 | 25 x 40 |
| 1000 | 381LQ102M180K022 | 0.199 | 0.090 | 2.20 | 3.08 | 30 x 30 |
| 1000 | 381LQ102M180A012 | 0.216 | 0.097 | 2.20 | 3.08 | 35 x 25 |
| 1200 | 381LQ122M180J452 | 0.166 | 0.075 | 2.30 | 3.22 | 25 x 45 |
| 1200 | 381LQ122M180K032 | 0.166 | 0.075 | 2.30 | 3.22 | 30 x 35 |
| 1500 | 381LQ152M180J052 | 0.133 | 0.060 | 2.50 | 3.50 | 25 x 50 |
| 1500 | 381LQ152M180K042 | 0.133 | 0.060 | 2.50 | 3.50 | 30 x 40 |
| 1500 | 381LQ152M180A022 | 0.155 | 0.077 | 2.50 | 3.50 | 35 x 30 |
| 1800 | 381LQ182M180K452 | 0.110 | 0.050 | 2.70 | 3.78 | 30 x 45 |
| 1800 | 381LQ182M180A032 | 0.129 | 0.064 | 2.70 | 3.78 | 35 x 35 |
| 2200 | 381LQ222M180K052 | 0.090 | 0.041 | 2.90 | 4.06 | 30 x 50 |
| 2200 | 381LQ222M180A042 | 0.098 | 0.049 | 2.90 | 4.06 | 35 x 40 |
| 2700 | 381LQ272M180A052 | 0.086 | 0.043 | 3.10 | 4.34 | 35 x 50 |
| 200 Vdc (250 Vdc Surge) | | | | | | |
| 390 | 381LQ391M200H012 | 0.510 | 0.230 | 1.31 | 1.83 | 22 x 25 |
| 470 | 381LQ471M200H022 | 0.423 | 0.190 | 1.45 | 2.03 | 22 x 30 |
| 560 | 381LQ561M200H022 | 0.355 | 0.160 | 1.67 | 2.34 | 22 x 30 |
| 680 | 381LQ681M200H042 | 0.293 | 0.132 | 1.75 | 2.45 | 22 x 40 |
| 680 | 381LQ681M200J022 | 0.293 | 0.132 | 1.75 | 2.45 | 25 x 30 |
| 820 | 381LQ821M200H452 | 0.243 | 0.109 | 2.04 | 2.86 | 22 x 45 |
| 820 | 381LQ821M200J032 | 0.243 | 0.109 | 2.04 | 2.86 | 25 x 35 |
| 820 | 381LQ821M200K012 | 0.243 | 0.109 | 2.04 | 2.86 | 30 x 25 |
| 1000 | 381LQ102M200H052 | 0.199 | 0.090 | 2.30 | 3.22 | 22 x 50 |
| 1000 | 381LQ102M200J042 | 0.199 | 0.090 | 2.10 | 2.90 | 25 x 40 |
| 1000 | 381LQ102M200J452 | 0.199 | 0.090 | 2.30 | 3.22 | 25 x 45 |
| 1000 | 381LQ102M200K022 | 0.199 | 0.090 | 2.30 | 3.22 | 30 x 30 |
| 1000 | 381LQ102M200A012 | 0.216 | 0.097 | 2.30 | 3.22 | 35 x 25 |
| 1200 | 381LQ122M200J452 | 0.166 | 0.075 | 2.40 | 3.30 | 25 x 45 |
| 1200 | 381LQ122M200J052 | 0.166 | 0.075 | 2.65 | 3.71 | 25 x 50 |
| 1200 | 381LQ122M200K032 | 0.166 | 0.075 | 2.65 | 3.71 | 30 x 35 |
| 1200 | 381LQ122M200A022 | 0.180 | 0.090 | 2.65 | 3.71 | 35 x 30 |
| 1500 | 381LQ152M200K042 | 0.133 | 0.060 | 2.80 | 3.92 | 30 x 40 |
| 1500 | 381LQ152M200A022 | 0.114 | 0.072 | 2.80 | 3.92 | 35 x 30 |
| 1800 | 381LQ182M200K452 | 0.110 | 0.050 | 3.08 | 4.31 | 30 x 45 |
| 1800 | 381LQ182M200A042 | 0.129 | 0.084 | 3.08 | 4.31 | 35 x 40 |
| 2200 | 381LQ222M200K052 | 0.090 | 0.041 | 3.48 | 4.87 | 30 x 50 |
| 2200 | 381LQ222M200A452 | 0.096 | 0.044 | 3.48 | 4.87 | 35 x 45 |

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 250 Vdc (300 Vdc Surge) | | | | | | |
| 270 | 381LQ271M250H012 | 0.614 | 0.276 | 1.10 | 1.54 | 22 x 25 |
| 330 | 381LQ331M250H022 | 0.502 | 0.226 | 1.20 | 1.68 | 22 x 30 |
| 330 | 381LQ331M250J012 | 0.502 | 0.226 | 1.20 | 1.68 | 25 x 25 |
| 390 | 381LQ391M250H022 | 0.425 | 0.191 | 1.20 | 1.70 | 22 x 30 |
| 390 | 381LQ391M250H032 | 0.425 | 0.191 | 1.30 | 1.82 | 22 x 35 |
| 390 | 381LQ391M250J012 | 0.425 | 0.191 | 1.30 | 1.82 | 25 x 25 |
| 470 | 381LQ471M250H032 | 0.353 | 0.159 | 1.30 | 1.82 | 22 x 35 |
| 470 | 381LQ471M250H042 | 0.353 | 0.159 | 1.40 | 1.96 | 22 x 40 |
| 470 | 381LQ471M250J022 | 0.353 | 0.159 | 1.40 | 1.96 | 25 x 30 |
| 470 | 381LQ471M250K012 | 0.353 | 0.159 | 1.40 | 1.96 | 30 x 25 |
| 560 | 381LQ561M250H042 | 0.296 | 0.133 | 1.40 | 1.96 | 22 x 40 |
| 560 | 381LQ561M250H452 | 0.296 | 0.133 | 1.50 | 2.10 | 22 x 45 |
| 560 | 381LQ561M250J032 | 0.296 | 0.133 | 1.50 | 2.10 | 25 x 35 |
| 560 | 381LQ561M250K012 | 0.296 | 0.133 | 1.50 | 2.10 | 30 x 25 |
| 680 | 381LQ681M250H452 | 0.244 | 0.110 | 1.50 | 2.10 | 22 x 45 |
| 680 | 381LQ681M250H052 | 0.244 | 0.110 | 1.70 | 2.38 | 22 x 50 |
| 680 | 381LQ681M250J042 | 0.244 | 0.110 | 1.70 | 2.38 | 25 x 40 |
| 680 | 381LQ681M250K022 | 0.244 | 0.110 | 1.70 | 2.38 | 30 x 30 |
| 680 | 381LQ681M250A012 | 0.244 | 0.110 | 1.70 | 2.38 | 35 x 25 |
| 820 | 381LQ821M250J452 | 0.202 | 0.091 | 2.00 | 2.80 | 25 x 45 |
| 820 | 381LQ821M250K032 | 0.202 | 0.091 | 2.00 | 2.80 | 30 x 35 |
| 820 | 381LQ821M250A022 | 0.202 | 0.091 | 2.00 | 2.80 | 35 x 30 |
| 1000 | 381LQ102M250J052 | 0.166 | 0.075 | 2.20 | 3.08 | 25 x 50 |
| 1000 | 381LQ102M250K042 | 0.166 | 0.075 | 2.20 | 3.08 | 30 x 40 |
| 1000 | 381LQ102M250A022 | 0.166 | 0.075 | 2.20 | 3.08 | 35 x 30 |
| 1200 | 381LQ122M250K452 | 0.138 | 0.062 | 2.30 | 3.22 | 30 x 45 |
| 1200 | 381LQ122M250A032 | 0.138 | 0.062 | 2.30 | 3.22 | 35 x 35 |
| 1500 | 381LQ152M250A452 | 0.110 | 0.050 | 2.50 | 3.50 | 35 x 45 |
| 1800 | 381LQ182M250A452 | 0.092 | 0.041 | 2.50 | 3.50 | 35 x 45 |
| 1800 | 381LQ182M250A052 | 0.092 | 0.041 | 2.70 | 3.78 | 35 x 50 |
| 315 Vdc (365 Vdc Surge) | | | | | | |
| 150 | 381LQ151M315H012 | 1.105 | 0.497 | 0.82 | 1.15 | 22 x 25 |
| 180 | 381LQ181M315H022 | 0.921 | 0.414 | 0.90 | 1.26 | 22 x 30 |
| 220 | 381LQ221M315H022 | 0.754 | 0.339 | 1.00 | 1.40 | 22 x 30 |
| 270 | 381LQ271M315J022 | 0.614 | 0.276 | 1.10 | 1.54 | 25 x 30 |
| 330 | 381LQ331M315H452 | 0.502 | 0.226 | 1.20 | 1.68 | 22 x 45 |
| 330 | 381LQ331M315J032 | 0.502 | 0.226 | 1.20 | 1.68 | 25 x 35 |
| 330 | 381LQ331M315K012 | 0.502 | 0.226 | 1.20 | 1.68 | 30 x 25 |
| 390 | 381LQ391M315J042 | 0.425 | 0.191 | 1.30 | 1.82 | 25 x 40 |
| 390 | 381LQ391M315K022 | 0.425 | 0.191 | 1.30 | 1.82 | 30 x 30 |
| 390 | 381LQ391M315A012 | 0.425 | 0.191 | 1.30 | 1.82 | 35 x 25 |
| 470 | 381LQ471M315J452 | 0.353 | 0.159 | 1.40 | 1.96 | 25 x 45 |
| 470 | 381LQ471M315K032 | 0.353 | 0.159 | 1.40 | 1.96 | 30 x 35 |
| 350 Vdc (400 Vdc Surge) | | | | | | |
| 120 | 381LQ121M350H012 | 1.382 | 0.622 | 0.75 | 1.05 | 22 x 25 |
| 150 | 381LQ151M350H022 | 1.105 | 0.497 | 0.82 | 1.15 | 22 x 30 |
| 180 | 381LQ181M350H022 | 0.921 | 0.414 | 0.90 | 1.26 | 22 x 30 |
| 180 | 381LQ181M350J012 | 0.921 | 0.414 | 0.90 | 1.26 | 25 x 25 |
| 220 | 381LQ221M350H032 | 0.754 | 0.339 | 1.00 | 1.40 | 22 x 35 |
| 220 | 381LQ221M350J022 | 0.754 | 0.339 | 1.00 | 1.40 | 25 x 30 |
| 270 | 381LQ271M350J032 | 0.614 | 0.276 | 1.10 | 1.54 | 25 x 35 |
| 270 | 381LQ271M350K012 | 0.614 | 0.276 | 1.10 | 1.54 | 30 x 25 |
| 330 | 381LQ331M350J042 | 0.502 | 0.226 | 1.20 | 1.68 | 25 x 40 |
| 330 | 381LQ331M350K022 | 0.502 | 0.226 | 1.20 | 1.68 | 30 x 30 |
| 390 | 381LQ391M350J452 | 0.425 | 0.191 | 1.30 | 1.82 | 25 x 45 |
| 390 | 381LQ391M350K032 | 0.425 | 0.191 | 1.30 | 1.82 | 30 x 35 |
| 470 | 381LQ471M350J052 | 0.353 | 0.159 | 1.40 | 1.96 | 25 x 50 |
| 470 | 381LQ471M350A022 | 0.353 | 0.159 | 1.40 | 1.96 | 35 x 30 |
| 560 | 381LQ561M350K452 | 0.296 | 0.133 | 1.50 | 2.10 | 30 x 45 |
| 560 | 381LQ561M350A032 | 0.296 | 0.133 | 1.50 | 2.10 | 35 x 35 |
| 680 | 381LQ681M350K052 | 0.244 | 0.110 | 1.70 | 2.38 | 30 x 50 |
| 680 | 381LQ681M350A042 | 0.244 | 0.110 | 1.70 | 2.38 | 35 x 40 |
| 820 | 381LQ821M350A452 | 0.202 | 0.091 | 1.90 | 2.66 | 35 x 45 |
| 400 Vdc (450 Vdc Surge) | | | | | | |
| 100 | 381LQ101M400H012 | 1.824 | 0.821 | 0.70 | 0.98 | 22 x 25 |
| 120 | 381LQ121M400H022 | 1.520 | 0.684 | 0.75 | 1.05 | 22 x 30 |
| 150 | 381LQ151M400H022 | 1.216 | 0.547 | 0.88 | 1.23 | 22 x 30 |
| 180 | 381LQ181M400H032 | 1.013 | 0.458 | 0.95 | 1.33 | 22 x 35 |
| 180 | 381LQ181M400J022 | 1.013 | 0.458 | 0.95 | 1.33 | 25 x 30 |
| 220 | 381LQ221M400H042 | 0.829 | 0.373 | 1.00 | 1.40 | 22 x 45 |
| 220 | 381LQ221M400H452 | 0.829 | 0.373 | 1.10 | 1.54 | 22 x 45 |
| 220 | 381LQ221M400J032 | 0.829 | 0.373 | 1.10 | 1.54 | 25 x 35 |
| 220 | 381LQ221M400K012 | 0.829 | 0.373 | 1.10 | 1.54 | 30 x 25 |
| 270 | 381LQ271M400H452 | 0.675 | 0.304 | 1.10 | 1.54 | 22 x 45 |
| 270 | 381LQ271M400H052 | 0.675 | 0.304 | 1.22 | 1.71 | 22 x 50 |
| 270 | 381LQ271M400J042 | 0.675 | 0.304 | 1.22 | 1.71 | 25 x 40 |
| 270 | 381LQ271M400K022 | 0.675 | 0.304 | 1.22 | 1.71 | 30 x 30 |
| 270 | 381LQ271M400A012 | 0.675 | 0.304 | 1.22 | 1.71 | 35 x 25 |
| 330 | 381LQ331M400J452 | 0.553 | 0.249 | 1.44 | 2.02 | 25 x 45 |

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 400 Vdc (450 Vdc Surge) | | | | | | |
| 330 | 381LQ331M400K032 | 0.553 | 0.249 | 1.44 | 2.02 | 30 x 35 |
| 330 | 381LQ331M400A022 | 0.553 | 0.249 | 1.44 | 2.02 | 35 x 30 |
| 390 | 381LQ391M400J052 | 0.468 | 0.210 | 1.55 | 2.17 | 25 x 50 |
| 390 | 381LQ391M400K032 | 0.468 | 0.210 | 1.40 | 1.95 | 30 x 35 |
| 390 | 381LQ391M400K042 | 0.468 | 0.210 | 1.55 | 2.17 | 30 x 40 |
| 390 | 381LQ391M400A022 | 0.468 | 0.210 | 1.55 | 2.17 | 35 x 30 |
| 470 | 381LQ471M400K452 | 0.388 | 0.175 | 1.68 | 2.35 | 30 x 45 |
| 470 | 381LQ471M400A032 | 0.388 | 0.175 | 1.68 | 2.35 | 35 x 35 |
| 560 | 381LQ561M400K052 | 0.326 | 0.147 | 1.90 | 2.66 | 30 x 50 |
| 560 | 381LQ561M400A042 | 0.326 | 0.147 | 1.90 | 2.66 | 35 x 40 |
| 680 | 381LQ681M400A452 | 0.268 | 0.121 | 2.12 | 2.97 | 35 x 45 |
| 820 | 381LQ821M400A052 | 0.200 | 0.090 | 2.30 | 3.20 | 35 x 50 |
| 420 Vdc (470 Vdc Surge) | | | | | | |
| 120 | 381LQ121M420H022 | 1.520 | 0.684 | 0.75 | 1.05 | 22 x 30 |
| 120 | 381LQ121M420J012 | 1.520 | 0.684 | 0.75 | 1.05 | 25 x 25 |
| 150 | 381LQ151M420H032 | 1.220 | 0.550 | 0.85 | 1.20 | 22 x 35 |
| 180 | 381LQ181M420H042 | 1.100 | 0.460 | 0.90 | 1.30 | 22 x 40 |
| 180 | 381LQ181M420J022 | 1.100 | 0.460 | 0.90 | 1.30 | 25 x 30 |
| 220 | 381LQ221M420H452 | 0.830 | 0.370 | 1.05 | 1.50 | 22 x 45 |
| 220 | 381LQ221M420J032 | 0.830 | 0.370 | 1.05 | 1.50 | 25 x 35 |
| 220 | 381LQ221M420K012 | 0.830 | 0.370 | 1.05 | 1.50 | 30 x 25 |
| 270 | 381LQ271M420H052 | 0.675 | 0.305 | 1.20 | 1.70 | 22 x 50 |
| 270 | 381LQ271M420J042 | 0.675 | 0.305 | 1.20 | 1.70 | 25 x 40 |
| 270 | 381LQ271M420K022 | 0.675 | 0.305 | 1.20 | 1.70 | 30 x 30 |
| 270 | 381LQ271M420A012 | 0.675 | 0.305 | 1.20 | 1.70 | 35 x 25 |
| 330 | 381LQ331M420J052 | 0.550 | 0.250 | 1.40 | 2.00 | 25 x 50 |
| 330 | 381LQ331M420K032 | 0.550 | 0.250 | 1.40 | 2.00 | 30 x 35 |
| 330 | 381LQ331M420A032 | 0.550 | 0.250 | 1.40 | 2.00 | 35 x 35 |
| 390 | 381LQ391M420K042 | 0.470 | 0.210 | 1.55 | 2.15 | 30 x 40 |
| 390 | 381LQ391M420A032 | 0.470 | 0.210 | 1.55 | 2.15 | 35 x 35 |
| 470 | 381LQ471M420K452 | 0.390 | 0.175 | 1.70 | 2.40 | 30 x 45 |
| 470 | 381LQ471M420A032 | 0.390 | 0.175 | 1.70 | 2.40 | 35 x 35 |
| 560 | 381LQ561M420K052 | 0.330 | 0.150 | 1.90 | 2.65 | 30 x 50 |
| 420 Vdc (470 Vdc Surge) | | | | | | |
| 560 | 381LQ561M420A452 | 0.330 | 0.150 | 1.90 | 2.65 | 35 x 45 |
| 680 | 381LQ681M420A052 | 0.270 | 0.120 | 2.10 | 2.95 | 35 x 50 |
| 450 Vdc (500 Vdc Surge) | | | | | | |
| 100 | 381LQ101M450H022 | 1.824 | 0.821 | 0.64 | 0.90 | 22 x 30 |
| 100 | 381LQ101M450J012 | 1.824 | 0.821 | 0.64 | 0.90 | 25 x 25 |
| 120 | 381LQ121M450H032 | 1.520 | 0.684 | 0.72 | 1.01 | 22 x 35 |
| 120 | 381LQ121M450J022 | 1.520 | 0.684 | 0.72 | 1.01 | 25 x 30 |
| 150 | 381LQ151M450H042 | 1.216 | 0.547 | 0.79 | 1.11 | 22 x 40 |
| 150 | 381LQ151M450J022 | 1.216 | 0.547 | 0.79 | 1.11 | 25 x 30 |
| 150 | 381LQ151M450K012 | 1.216 | 0.547 | 0.79 | 1.11 | 30 x 25 |
| 180 | 381LQ181M450H452 | 1.013 | 0.456 | 0.87 | 1.22 | 22 x 45 |
| 180 | 381LQ181M450J032 | 1.013 | 0.456 | 0.80 | 1.10 | 25 x 35 |
| 180 | 381LQ181M450J042 | 1.013 | 0.456 | 0.87 | 1.22 | 25 x 40 |
| 180 | 381LQ181M450K022 | 1.013 | 0.456 | 0.87 | 1.22 | 30 x 30 |
| 220 | 381LQ221M450H052 | 0.829 | 0.373 | 0.90 | 1.25 | 22 x 50 |
| 220 | 381LQ221M450J452 | 0.829 | 0.373 | 1.00 | 1.40 | 25 x 45 |
| 220 | 381LQ221M450K022 | 0.829 | 0.373 | 1.00 | 1.40 | 30 x 30 |
| 220 | 381LQ221M450A012 | 0.829 | 0.373 | 1.00 | 1.40 | 35 x 25 |
| 270 | 381LQ271M450J052 | 0.675 | 0.304 | 1.19 | 1.67 | 25 x 50 |
| 270 | 381LQ271M450K032 | 0.675 | 0.304 | 1.10 | 1.50 | 30 x 35 |
| 270 | 381LQ271M450K042 | 0.675 | 0.304 | 1.19 | 1.67 | 30 x 40 |
| 270 | 381LQ271M450A022 | 0.675 | 0.304 | 1.19 | 1.67 | 35 x 30 |
| 330 | 381LQ331M450K042 | 0.553 | 0.249 | 1.25 | 1.75 | 30 x 40 |
| 330 | 381LQ331M450K452 | 0.553 | 0.249 | 1.38 | 1.93 | 30 x 45 |
| 330 | 381LQ331M450A032 | 0.553 | 0.249 | 1.38 | 1.93 | 35 x 35 |
| 390 | 381LQ391M450K452 | 0.468 | 0.210 | 1.40 | 1.95 | 30 x 45 |
| 390 | 381LQ391M450A042 | 0.468 | 0.210 | 1.55 | 2.17 | 35 x 40 |
| 470 | 381LQ471M450A452 | 0.388 | 0.175 | 1.74 | 2.44 | 35 x 45 |
| 560 | 381LQ561M450A052 | 0.326 | 0.147 | 1.90 | 2.66 | 35 x 50 |
| 390 | 381LQ391M450K052 | 0.680 | 0.210 | 1.55 | 2.17 | 30 x 50 |
| 390 | 381LQ391M450A042 | 0.468 | 0.210 | 1.55 | 2.17 | 35 x 40 |
| 470 | 381LQ471M450A452 | 0.388 | 0.175 | 1.74 | 2.44 | 35 x 45 |
| 560 | 381LQ561M450A052 | 0.326 | 0.147 | 1.90 | 2.66 | 35 x 50 |

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size

Typical Performance Curves



Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкуренеспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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