

Type 380LX / 382LX 85 °C High Capacitance, Snap-In Aluminum

2, 4 and 5 pin styles available



The excellent value of Type 380L/LX capacitors finds application in switching power supply input and output circuits and even motor drives where the high surface area of multiple units in parallel approaches the ripple capability of our Type 520C computer-grade capacitor. Type 380LX delivers more capacitance per can size while Type 380L available in the largest case sizes gives lower ESR for the same capacitance. Types 382L and 382LX give the choice of 4 or 5 leads for stable, reverse proof mounting.

Highlights

- Latest available ratings, worldwide
- Top performance in power supplies and motor drives
- Big selection of 46 case sizes
- 2, 4 and 5 leads available

Specifications

Temperature Range	-40 °C to +85 °C ≤ 250 Vdc -25 °C to +85 °C ≥ 315 Vdc																													
Rated Voltage Range	16 Vdc to 500 Vdc																													
Capacitance Range	33 µF to 270,000 µF																													
Capacitance Tolerance	± 20%																													
Leakage Current	≤ 3√CV µA at 5 min																													
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>1.5</td> <td>1.4</td> <td>1.3</td> <td>1.0</td> </tr> </tbody> </table> <p>Frequency</p> <table border="1"> <thead> <tr> <th></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> <tr> <td>160 - 450 WV</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	1.5	1.4	1.3	1.0		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	160 - 450 WV	0.75	0.80	1.00	1.20	1.25	1.40
45 °C	60 °C	70 °C	85 °C																											
1.5	1.4	1.3	1.0																											
	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																								
160 - 450 WV	0.75	0.80	1.00	1.20	1.25	1.40																								
Low Temperature Characteristics	Impedance ratio: $Z_{-20°C} / Z_{+25°C}$ ≤ 8 (16–50 Vdc) ≤ 4 (63–100 Vdc) ≤ 3 (150–500 Vdc)																													
Endurance Life Test	3,000 h @ full load at +85 °C Δ Capacitance ±20% ESR 200% of limit DCL 100% of limit																													
Shelf Life Test	1,000 h @ 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 in each plane																													
RoHS Compliant																														

Type 380LX / 382LX 85 °C High Capacitance, Snap-In Aluminum

2, 4 and 5 pin styles available

Part Numbering System

382LX Type	272 Cap	M Tolerance	200 Voltage	N05 Case Code	2 Insulation	V # of pins	+D Blank = no end disk if <250 V D = end disk, any voltage
380L / LX (2 pins)	272 = 2700 µF	M = ±20%	200 = 200 Vdc		2 = PVC	Blank = 2 pins / 4 pins snap-in 6.3mm L	
382L / LX (4 or 5 pins)	333 = 33000 µF					A = 2 pins / 4 pins snap-in 4.0mm L	
						VS = 5 pins snap-in 6.3mm L	
						V = 5 pins standoff	

Outline Drawings Dimensions shown are in mm

Two Pins

380L/LX (22 through 40 mm diameter)



Available in 2, 4 and 5 pins



Four Pins

382L/LX (35 and 40mm diameter)



Available in 2 and 4 pins

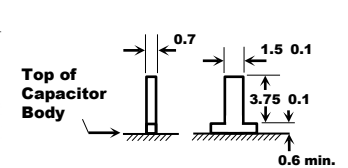


Five Pins

382L/LX (40 and 50mm diameter)



Available in 5 pins



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.

Terminal	Connection	
	40 mm Dia.	50 mm Dia.
A	dummy	negative (-)
B	dummy	dummy
C	positive (+)	positive (+)
D	dummy	positive (+)
-	negative (-)	negative (-)

Notes:

- * Use dummy terminals for mechanical support only. Make no electrical connection because they resistively connect through the electrolyte to the negative terminal.
- ** Safety Vent may be on the bottom or on the side of the can.

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Insulated

Case Code	DIAMETER "D"		LENGTH "L"		Typical Weight (grams)	Case Code	DIAMETER "D"		LENGTH "L"		Typical Weight (grams)
	mm	inches	mm	inches			mm	inches			
H20	22	0.87	20	0.79	14	A20	35	1.38	20	0.79	35
H01	22	0.87	25	0.98	16	A01	35	1.38	25	0.98	42
H02	22	0.87	30	1.18	19	A02	35	1.38	30	1.18	48
H03	22	0.87	35	1.38	22	A03	35	1.38	35	1.38	54
H04	22	0.87	40	1.57	24	A04	35	1.38	40	1.57	62
H45	22	0.87	45	1.77	28	A45	35	1.38	45	1.77	67
H05	22	0.87	50	1.97	31	A05	35	1.38	50	1.97	74
J20	25	0.98	20	0.79	16	A55	35	1.38	55	2.17	80
J01	25	0.98	25	0.98	20	A06	35	1.38	63	2.48	88
J02	25	0.98	30	1.18	24	A07	35	1.38	70	2.76	98
J03	25	0.98	35	1.38	27	A08	35	1.38	80	3.15	112
J04	25	0.98	40	1.57	31	A10	35	1.38	105	4.13	144
J45	25	0.98	45	1.77	35	N04	40	1.57	40	1.57	82
J05	25	0.98	50	1.97	38	N05	40	1.57	50	1.97	105
K20	30	1.18	20	0.79	25	N06	40	1.57	63	2.48	130
K01	30	1.18	25	0.98	30	N08	40	1.57	80	3.15	185
K02	30	1.18	30	1.18	35	N10	40	1.57	105	4.13	265
K03	30	1.18	35	1.38	40	B05	50	1.97	50	1.97	136
K04	30	1.18	40	1.57	44	B06	50	1.97	63	2.48	168
K45	30	1.18	45	1.77	48	B08	50	1.97	80	3.15	239
K05	30	1.18	50	1.97	53	B09	50	1.97	92	3.62	241
						B10	50	1.97	105	4.13	325

Typical Performance Curves



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Typical Performance Curves



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Cap. (μ F)	Catalog Part Number	Max. ESR Ω @ 25 °C		Ripple Amps Max. @ 85 °C		Nominal Size D x L (mm)	Cap. (μ F)	Catalog Part Number	Max. ESR Ω @ 25 °C		Ripple Amps Max. @ 85 °C		Nominal Size D x L (mm)
		120 Hz	20 kHz	120 Hz	20 kHz				120 Hz	20 kHz	120 Hz	20 kHz	
160 Vdc (200 Vdc Surge)							180 Vdc (225 Vdc Surge)						
820	380LX821M160H042	0.260	0.130	2.50	3.50	22 x 40	820	380LX821M180H452	0.243	0.124	2.80	3.90	22 x 45
820	380LX821M160H452	0.260	0.130	2.80	3.90	22 x 45	820	380LX821M180J042	0.243	0.124	2.80	3.90	25 x 40
820	380LX821M160J032	0.260	0.130	2.80	3.90	25 x 35	820	380LX821M180K022	0.243	0.124	2.80	3.90	30 x 30
820	380LX821M160K012	0.260	0.130	2.75	3.85	30 x 25	1000	380LX102M180J452	0.199	0.102	3.00	4.20	25 x 45
1000	380LX102M160H452	0.220	0.110	3.00	4.20	22 x 45	1000	380LX102M180K032	0.199	0.102	3.00	4.20	30 x 35
1000	380LX102M160J042	0.220	0.110	3.00	4.20	25 x 40	1200	380LX122M180J052	0.166	0.085	3.30	4.60	25 x 50
1000	380LX102M160K022	0.220	0.110	3.00	4.20	30 x 30	1200	380LX122M180K042	0.166	0.085	3.30	4.60	30 x 40
1200	380LX122M160J052	0.210	0.115	3.25	4.55	25 x 50	1200	380LX122M180A032	0.166	0.085	3.30	4.60	35 x 35
1200	380LX102M160K032	0.210	0.115	3.25	4.55	30 x 35	1500	380LX152M180K452	0.133	0.068	3.80	5.40	30 x 45
1200	380LX122M160A022	0.210	0.115	3.25	4.55	35 x 30	1500	380LX152M180A042	0.133	0.068	3.80	5.40	35 x 40
1500	380LX152M160J052	0.170	0.090	3.70	5.20	25 x 50	1800	380LX182M180K052	0.111	0.057	4.30	6.00	30 x 50
1500	380LX152M160K032	0.170	0.090	3.70	5.20	30 x 35	1800	380LX182M180A042	0.111	0.057	4.30	6.00	35 x 40
1500	380LX152M160A022	0.166	0.091	3.73	5.22	35 x 30	2200	380LX222M180A052	0.090	0.046	4.90	6.90	35 x 50
1800	380LX182M160K052	0.140	0.085	4.20	5.90	30 x 50	2700	382L272M180N062	0.051	0.027	5.00	6.50	40 x 63
1800	380LX182M160A032	0.140	0.085	4.20	5.90	35 x 35	2700	380L272M180A072	0.054	0.027	4.80	6.20	35 x 70
2200	380LX222M160K052	0.105	0.053	4.78	6.69	30 x 50	3300	380L332M180A082	0.046	0.023	5.40	7.10	35 x 80
2200	380LX222M160A042	0.115	0.075	4.78	6.69	35 x 40	4700	382L472M180N082	0.036	0.020	6.60	8.50	40 x 80
2700	380LX272M160A052	0.090	0.060	5.50	7.60	35 x 50	200 Vdc (250 Vdc Surge)						
2700	382LX272M160N042	0.080	0.045	5.50	7.60	40 x 40	150	380LX151M200H202	1.330	0.600	0.65	0.90	22 x 20
3300	380LX332M160A062	0.065	0.040	6.30	8.80	35 x 63	150	380LX151M200H012	1.220	0.550	0.70	1.00	22 x 25
3300	380LX332M160N052	0.065	0.040	6.30	8.80	40 x 50	220	380LX221M200H012	0.083	0.380	1.00	1.45	22 x 25
3900	380LX392M160A082	0.055	0.030	7.30	10.20	35 x 80	220	380LX221M200J202	0.905	0.410	0.90	1.20	25 x 20
3900	380LX392M160N062	0.055	0.030	7.30	10.20	40 x 63	270	380LX271M200H012	0.610	0.280	1.40	2.00	22 x 25
4700	382L472M160N082	0.036	0.020	6.60	8.50	40 x 80	330	380LX331M200H012	0.550	0.250	1.60	2.20	22 x 25
5600	382LX562M160N082	0.040	0.020	8.30	11.70	40 x 80	330	380LX331M200K202	0.603	0.308	1.00	1.40	30 x 20
5600	382LX562M160B052V	0.040	0.020	8.25	9.50	50 x 50	390	380LX391M200H022	0.470	0.210	1.70	2.40	22 x 30
6800	380LX682M160A102	0.032	0.017	9.10	12.70	35 x 105	390	380LX391M200J012	0.470	0.210	1.70	2.40	25 x 25
8200	382LX822M160B062V	0.026	0.015	8.90	12.50	50 x 63	470	380LX471M200H032	0.390	0.180	1.90	2.60	22 x 35
10000	382LX103M160N102	0.022	0.012	9.90	13.80	40 x 105	470	380LX471M200J022	0.390	0.180	1.90	2.60	25 x 30
10000	382LX103M160B082V	0.022	0.012	9.80	13.70	50 x 80	470	380LX471M200K012	0.423	0.216	1.90	2.60	30 x 25
12000	382LX123M160B092V	0.018	0.010	12.90	18.10	50 x 92	470	380LX471M200A202	0.460	0.210	1.30	1.80	35 x 20
15000	382LX153M160B102V	0.014	0.008	14.10	19.70	50 x 105	560	380LX561M200H042	0.330	0.150	2.40	3.40	22 x 40
180 Vdc (225 Vdc Surge)							560	380LX561M200J022	0.330	0.150	2.43	3.40	25 x 30
330	380LX331M180H012	0.603	0.308	1.80	2.50	22 x 25	560	380LX561M200K012	0.390	0.180	2.15	3.16	30 x 25
390	380LX391M180H022	0.510	0.260	1.20	1.60	22 x 30	680	380LX681M200H452	0.270	0.120	2.70	3.80	22 x 45
390	380LX391M180J012	0.510	0.260	1.20	1.60	25 x 25	680	380LX681M200J032	0.270	0.120	2.70	3.80	25 x 35
470	380LX471M180H032	0.423	0.216	2.10	2.90	22 x 35	680	380LX681M200K022	0.270	0.120	2.70	3.80	30 x 30
470	380LX471M180J012	0.423	0.216	2.10	2.90	25 x 25	820	380LX821M200J452	0.220	0.100	2.90	4.10	25 x 45
560	380LX561M180H032	0.355	0.181	2.30	3.20	22 x 35	820	380LX821M200K022	0.220	0.100	2.90	4.10	30 x 30
560	380LX561M180J022	0.355	0.181	2.30	3.20	25 x 30	820	380LX821M200A012	0.243	0.124	2.90	4.10	35 x 25
680	380LX681M180H042	0.293	0.149	2.50	3.50	22 x 40	1000	380LX102M200J452	0.199	0.090	3.25	4.55	25 x 45
680	380LX681M180J032	0.293	0.149	2.50	3.50	25 x 35	1000	380LX102M200K032	0.199	0.090	3.25	4.55	30 x 35
680	380LX681M180K022	0.293	0.149	2.50	3.50	30 x 30	1000	380LX102M200A022	0.199	0.102	3.30	4.60	35 x 30

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2, 4 and 5 pin styles available

Cap. (μF)	Catalog Part Number	Max. ESR Ω@ 25 °C		Ripple Amps Max. @ 85 °C		Nominal Size D x L (mm)	Cap. (μF)	Catalog Part Number	Max. ESR Ω@ 25 °C		Ripple Amps Max. @ 85 °C		Nominal Size D x L (mm)
		120 Hz	20 kHz	120 Hz	20 kHz				120 Hz	20 kHz	120 Hz	20 kHz	
200 Vdc (250 Vdc Surge)							250 Vdc (300 Vdc Surge)						
1200	380LX122M200K042	0.166	0.075	3.50	4.90	30 x 40	560	380LX561M250J042	0.326	0.130	2.30	3.20	25 x 40
1200	380LX122M200A022	0.166	0.075	3.50	4.90	35 x 30	560	380LX561M250K022	0.326	0.130	2.30	3.20	30 x 30
1500	380LX152M200K452	0.144	0.072	3.87	5.42	30 x 45	560	380LX561M250A012	0.326	0.130	2.30	3.20	35 x 25
1500	380LX152M200A032	0.144	0.072	3.87	5.42	35 x 35	680	380LX681M250J452	0.268	0.107	2.50	3.50	25 x 45
1800	380LX182M200K052	0.120	0.060	4.32	6.05	30 x 50	680	380LX681M250K032	0.268	0.107	2.50	3.50	30 x 35
1800	380LX182M200A042	0.120	0.060	4.32	6.05	35 x 40	680	380LX681M250A022	0.293	0.149	2.50	3.50	35 x 30
2200	380LX222M200A452	0.098	0.054	4.92	6.89	35 x 45	820	380LX821M250K042	0.222	0.089	2.80	3.90	30 x 40
2200	382LX222M200N042	0.098	0.054	4.92	6.89	40 x 40	820	380LX821M250A022	0.222	0.089	2.80	3.90	35 x 30
2700	380LX272M200A062	0.080	0.045	5.50	7.70	35 x 63	1000	380LX102M250K452	0.182	0.073	3.32	4.65	30 x 45
2700	382LX272M200N052	0.080	0.045	5.40	7.60	40 x 50	1000	380LX102M250A032	0.182	0.073	3.32	4.65	35 x 35
3300	380LX332M200A082	0.065	0.037	6.40	9.00	35 x 80	1200	380LX122M250A042	0.166	0.083	3.53	4.94	35 x 40
3300	382LX332M200N062	0.065	0.037	6.30	8.90	40 x 63	1500	380LX152M250A052	0.133	0.068	4.00	5.70	35 x 50
3900	380LX392M200A082	0.055	0.030	6.60	9.25	35 x 80	1500	382LX152M250N042	0.133	0.066	4.04	5.66	40 x 40
3900	382LX392M200N062	0.055	0.030	6.80	9.50	40 x 63	1800	380LX182M250A062	0.110	0.055	4.50	6.30	35 x 63
3900	382LX392M200B052V	0.055	0.030	8.22	9.45	50 x 50	1800	382LX182M250N052	0.110	0.055	4.50	6.30	40 x 50
4700	382LX472M200N082	0.046	0.025	8.38	11.73	40 x 80	1800	382L182M250N062	0.062	0.030	4.80	6.40	40 x 63
4700	382LX472M200B062V	0.046	0.025	9.32	13.05	50 x 63	2200	380LX222M250A062	0.090	0.045	4.70	6.60	35 x 63
5600	380LX562M200A102	0.038	0.021	8.90	12.46	35 x 105	2200	380LX222M250A082	0.090	0.045	4.90	6.90	35 x 80
6800	382LX682M200N102	0.032	0.017	8.65	12.11	40 x 105	2200	382LX222M250N062	0.090	0.045	4.90	6.90	40 x 63
6800	382LX682M200B082V	0.032	0.017	11.41	15.97	50 x 80	2700	380LX272M250A082	0.074	0.037	5.60	7.90	35 x 80
7500	382LX752M200B092V	0.029	0.016	12.28	17.19	50 x 92	2700	382LX272M250N062	0.074	0.037	5.80	8.10	40 x 63
8200	382LX822M200B102V	0.026	0.014	13.16	18.42	50 x 105	2700	382L272M250N082	0.043	0.021	6.30	8.40	40 x 80
250 Vdc (300 Vdc Surge)							315 Vdc (365 Vdc Surge)						
120	380LX121M250H202	1.658	0.846	0.50	0.60	22 x 20	100	380LX101M315H012	1.989	1.015	0.90	1.30	22 x 25
120	380LX121M250H012	1.520	0.610	0.71	1.00	22 x 25	120	380LX121M315H022	1.658	0.856	1.00	1.40	22 x 30
150	380LX151M250H012	1.220	0.490	0.90	1.25	22 x 25	120	380LX121M315J012	1.658	0.856	1.00	1.40	25 x 25
150	380LX151M250J202	1.326	0.530	0.70	0.90	25 x 20	150	380LX151M315H022	1.326	0.677	1.10	1.60	22 x 30
180	380LX181M250H012	0.920	0.370	1.10	1.50	22 x 25	150	380LX151M315J012	1.326	0.677	1.10	1.60	25 x 25
220	380LX221M250H012	0.754	0.301	1.17	1.64	22 x 25	180	380LX181M315H032	1.105	0.546	1.20	1.70	22 x 35
220	380LX221M250K202	0.830	0.330	0.90	1.20	30 x 20	180	380LX181M315J022	1.105	0.546	1.20	1.70	25 x 30
270	380LX271M250H022	0.620	0.250	1.30	1.80	22 x 30	180	380LX181M315K012	1.105	0.546	1.20	1.70	30 x 25
270	380LX271M250J012	0.620	0.250	1.30	1.80	25 x 25	220	380LX221M315H042	0.904	0.461	1.40	2.00	22 x 40
330	380LX331M250H032	0.550	0.220	1.80	2.50	22 x 35	220	380LX221M315J032	0.904	0.461	1.40	2.00	25 x 35
330	380LX331M250J022	0.550	0.220	1.80	2.50	25 x 30							
330	380LX331M250K012	0.550	0.220	1.80	2.50	30 x 25							
330	380LX331M250A202	0.550	0.220	1.10	1.50	35 x 20							
390	380LX391M250H042	0.510	0.260	1.90	2.70	22 x 40							
390	380LX391M250J022	0.468	0.187	1.91	2.67	25 x 30							
390	380LX391M250K012	0.510	0.260	1.90	2.70	30 x 25							
470	380LX471M250H452	0.390	0.155	2.10	3.00	22 x 45							
470	380LX471M250J032	0.390	0.155	2.10	3.00	25 x 35							
470	380LX471M250K012	0.353	0.141	2.10	3.00	30 x 25							

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		120 Hz	20 kHz	120 Hz	20 kHz				120 Hz	20 kHz	120 Hz	20 kHz	
315 Vdc (365 Vdc Surge)							350 Vdc (400 Vdc Surge)						
220	380LX221M315K012	0.904	0.461	1.40	2.00	30 x 25	330	380LX331M350A022	0.500	0.180	1.90	2.60	35 x 30
270	380LX271M315H452	0.737	0.376	1.60	2.20	22 x 45	390	380LX391M350J052	0.425	0.149	2.06	2.88	25 x 50
270	380LX271M315J042	0.737	0.376	1.60	2.20	25 x 40	390	380LX391M350K042	0.425	0.149	2.06	2.88	30 x 40
270	380LX271M315K022	0.737	0.376	1.60	2.20	30 x 30	390	380LX391M350A022	0.425	0.149	2.06	2.88	35 x 30
330	380LX331M315J452	0.603	0.308	1.80	2.50	25 x 45	470	380LX471M350K052	0.390	0.140	2.40	3.40	30 x 50
330	380LX331M315K022	0.603	0.308	1.80	2.50	30 x 30	470	380LX471M350A032	0.390	0.140	2.40	3.40	35 x 35
330	380LX331M315A012	0.603	0.308	1.80	2.50	35 x 25	560	380LX561M350K052	0.326	0.114	2.60	3.64	30 x 50
390	380LX391M315J052	0.510	0.260	2.00	2.80	25 x 50	560	380LX561M350A042	0.326	0.114	2.60	3.64	35 x 40
390	380LX391M315K032	0.510	0.260	2.00	2.80	30 x 35	680	380LX681M350A452	0.293	0.117	2.96	4.14	35 x 45
390	380LX391M315A022	0.510	0.260	2.00	2.80	35 x 30	680	382LX681M350N042	0.293	0.117	3.00	4.10	40 x 40
470	380LX471M315K042	0.423	0.216	2.30	3.20	30 x 40	820	380LX821M350A052	0.243	0.097	3.55	4.97	35 x 50
470	380LX471M315A032	0.423	0.216	2.30	3.20	35 x 35	1000	380LX102M350A062	0.250	0.110	3.80	5.30	35 x 63
560	380LX561M315K452	0.355	0.181	2.60	3.60	30 x 45	1000	382LX102M350N052	0.250	0.110	3.80	5.30	40 x 50
560	380LX561M315A032	0.355	0.181	2.60	3.60	35 x 35	1200	380LX122M350A082	0.210	0.095	4.40	6.20	35 x 80
680	380LX681M315A452	0.293	0.149	2.90	4.00	35 x 45	1200	382LX122M350N062	0.210	0.095	4.40	6.20	40 x 63
820	380LX821M315A052	0.243	0.124	3.30	4.60	35 x 50	1200	382LX122M350B052V	0.207	0.093	5.18	5.96	50 x 50
1000	380L102M315A062	0.218	0.129	2.70	3.60	35 x 63	1500	382LX152M350B062V	0.166	0.075	6.01	8.41	50 x 63
1200	380L122M315A072	0.182	0.107	3.20	4.20	35 x 70	1800	380LX182M350A102	0.138	0.062	5.79	8.11	35 x 105
1200	382L122M315N052	0.202	0.122	2.90	3.90	40 x 50	1800	382LX182M350N082	0.138	0.062	5.85	8.20	40 x 80
1500	380L152M315A082	0.153	0.090	3.60	4.80	35 x 80	1800	382LX182M350B082V	0.138	0.062	6.89	9.65	50 x 80
1500	382L152M315N062	0.162	0.098	3.40	4.50	40 x 63	2200	382LX222M350N102	0.113	0.051	6.91	9.67	40 x 105
1800	382L182M315N082	0.113	0.069	4.50	6.00	40 x 80	2200	382LX222M350B092V	0.113	0.051	7.79	10.91	50 x 92
350 Vdc (400 Vdc Surge)							2700	382LX272M350B102V	0.092	0.041	8.80	12.32	50 x 105
82	380LX820M350H012	2.022	0.708	0.83	1.16	22 x 25	400 Vdc (450 Vdc Surge)						
100	380LX101M350H022	1.660	0.580	0.90	1.30	22 x 30	47	380LX470M400H202	3.530	1.240	0.25	0.35	22 x 20
120	380LX121M350H022	1.382	0.484	1.00	1.40	22 x 30	47	380LX470M400H012	3.530	1.240	0.47	0.66	22 x 25
120	380LX121M350J012	1.382	0.484	1.00	1.40	25 x 25	68	380LX680M400H012	2.440	0.850	0.70	0.97	22 x 25
150	380LX151M350H032	1.110	0.390	1.10	1.60	22 x 35	68	380LX680M400J202	2.930	1.000	0.35	0.50	25 x 20
150	380LX151M350J012	1.110	0.390	1.10	1.60	25 x 25	82	380LX820M400H012	2.000	0.710	0.80	1.20	22 x 25
150	380LX151M350K012	1.110	0.390	1.10	1.60	30 x 25	100	380LX101M400H022	1.650	0.580	0.90	1.30	22 x 30
180	380LX181M350H042	0.920	0.320	1.20	1.70	22 x 40	100	380LX101M400J012	1.650	0.580	0.90	1.30	25 x 25
180	380LX181M350J022	0.920	0.320	1.22	1.70	25 x 30	100	380LX101M400K202	1.990	0.700	0.50	0.70	30 x 20
180	380LX181M350K012	0.920	0.320	1.20	1.70	30 x 25	120	380LX121M400H032	1.380	0.490	1.00	1.40	22 x 35
220	380LX221M350H452	0.750	0.260	1.44	2.00	22 x 45	120	380LX121M400J012	1.380	0.490	1.02	1.43	25 x 25
220	380LX221M350J032	0.750	0.260	1.44	2.00	25 x 35	150	380LX151M400H042	1.100	0.390	1.20	1.60	22 x 40
220	380LX221M350K012	0.750	0.260	1.44	2.00	30 x 25	150	380LX151M400J022	1.100	0.390	1.20	1.60	25 x 30
220	380LX221M350A012	0.750	0.260	1.44	2.00	35 x 25	150	380LX151M400K012	1.100	0.390	1.20	1.60	30 x 25
270	380LX271M350J042	0.614	0.215	1.66	2.32	25 x 40	150	380LX151M400A202	1.330	0.470	0.60	0.80	35 x 20
270	380LX271M350K022	0.614	0.215	1.66	2.32	30 x 30	180	380LX181M400H452	0.920	0.320	1.40	2.00	22 x 45
270	380LX271M350A012	0.614	0.215	1.66	2.32	35 x 25	180	380LX181M400J022	0.920	0.320	1.40	2.00	25 x 30
270	380LX271M350A012	0.614	0.215	1.70	2.30	35 x 25	220	380LX221M400H052	0.750	0.260	1.50	2.10	22 x 50
330	380LX331M350J052	0.500	0.180	1.90	2.60	25 x 50	220	380LX221M400J042	0.750	0.260	1.50	2.10	25 x 40
330	380LX331M350K032	0.500	0.180	1.90	2.60	30 x 35	220	380LX221M400K022	0.750	0.260	1.50	2.10	30 x 30

Type 380LX / 382LX 85 °C High Capacitance, Snap-In Aluminum

2, 4 and 5 pin styles available

Cap. (µF)	Catalog Part Number	Max. ESR Ω@ 25 °C		Ripple Amps Max. @ 85 °C		Nominal Size D x L (mm)	Cap. (µF)	Catalog Part Number	Max. ESR Ω@ 25 °C		Ripple Amps Max. @ 85 °C		Nominal Size D x L (mm)
		120 Hz	20 kHz	120 Hz	20 kHz				120 Hz	20 kHz	120 Hz	20 kHz	
400 Vdc (450 Vdc Surge)							420 Vdc (470 Vdc Surge)						
270	380LX271M400J452	0.680	0.240	1.70	2.30	25 x 45	330	380LX331M420K452	0.600	0.210	1.90	2.68	30 x 45
270	380LX271M400K032	0.680	0.240	1.70	2.30	30 x 35	330	380LX331M420A032	0.600	0.210	1.90	2.68	35 x 35
270	380LX271M400A022	0.680	0.240	1.70	2.30	35 x 30	390	380LX391M420K052	0.500	0.180	2.10	3.00	30 x 50
330	380LX331M400K042	0.550	0.200	1.90	2.70	30 x 40	390	380LX391M420A042	0.500	0.180	2.10	3.00	35 x 40
330	380LX331M400A022	0.550	0.200	1.90	2.70	35 x 30	470	380LX471M420A452	0.420	0.150	2.40	3.35	35 x 45
390	380LX391M400K452	0.470	0.160	2.10	3.00	30 x 45	560	380LX561M420A052	0.355	0.125	2.70	3.80	35 x 50
390	380LX391M400A032	0.470	0.160	2.10	3.00	35 x 35	450 Vdc (500 Vdc Surge)						
470	380LX471M400A042	0.388	0.136	2.39	3.35	35 x 40	33	380LX330M450H202	6.029	2.400	0.20	0.30	22 x 20
560	380LX561M400A452	0.326	0.114	2.69	3.77	35 x 45	33	380LX330M450H012	6.029	2.400	0.40	0.57	22 x 25
560	382LX561M400N042	0.326	0.114	2.70	3.80	40 x 40	47	380LX470M450H012	4.230	1.690	0.59	0.83	22 x 25
680	380LX681M400A052	0.270	0.095	3.00	4.20	35 x 50	47	380LX470M450J202	4.230	1.690	0.30	0.40	25 x 20
680	382LX681M400N052	0.270	0.095	3.40	4.70	40 x 50	56	380LX560M450H012	3.000	1.190	0.70	1.00	22 x 25
820	380LX821M400A062	0.222	0.078	3.55	4.97	35 x 63	68	380LX680M450H022	2.926	1.170	0.80	1.10	22 x 30
820	382LX821M400N052	0.222	0.078	3.40	4.70	40 x 50	68	380LX680M450K202	2.926	1.170	0.40	0.50	30 x 20
1000	380L102M400A082	0.179	0.099	3.60	4.80	35 x 80	82	380LX820M450H022	2.000	0.810	0.80	1.20	22 x 30
1000	382LX102M400N062	0.199	0.127	4.20	5.80	40 x 63	82	380LX820M450J012	2.000	0.810	0.80	1.20	25 x 25
1000	382LX102M400B052V	0.199	0.080	4.76	5.47	50 x 50	100	380LX101M450H032	1.660	0.660	0.90	1.30	22 x 35
1200	380LX122M400A082	0.152	0.053	4.52	6.33	35 x 80	100	380LX101M450J022	1.660	0.660	0.90	1.30	25 x 30
1200	382LX122M400N062	0.152	0.053	4.52	6.33	40 x 63	100	380LX101M450K012	1.989	1.015	0.90	1.30	30 x 25
1200	382LX122M400B062V	0.166	0.066	5.47	7.66	50 x 63	100	380LX101M450A202	1.989	1.015	0.50	0.70	35 x 20
1500	380LX152M400A102	0.122	0.043	5.44	7.62	35 x 105	120	380LX121M450H042	1.380	0.550	1.00	1.50	22 x 40
1500	382LX152M400N082	0.122	0.043	5.50	7.70	40 x 80	120	380LX121M450J022	1.380	0.550	1.00	1.50	25 x 30
1500	382LX152M400B082V	0.133	0.053	6.47	9.06	50 x 80	120	380LX121M450K012	1.380	0.550	1.00	1.50	30 x 25
1800	382LX182M400N102	0.101	0.035	6.53	9.14	40 x 105	150	380LX151M450H052	1.100	0.440	1.20	1.70	22 x 50
1800	382LX182M400B092V	0.111	0.044	7.35	10.29	50 x 92	150	380LX151M450J042	1.100	0.440	1.20	1.70	25 x 40
2200	382LX222M400B102V	0.090	0.036	8.43	11.80	50 x 105	150	380LX151M450K022	1.100	0.440	1.20	1.70	30 x 30
420 Vdc (470 Vdc Surge)							180	380LX181M450J042	0.921	0.368	1.35	1.89	25 x 40
82	380LX820M420H022	2.430	0.850	0.80	1.15	22 x 30	180	380LX181M450K022	0.921	0.368	1.35	1.89	30 x 30
100	380LX101M420H022	2.000	0.700	0.90	1.30	22 x 30	180	380LX181M450A012	0.921	0.368	1.40	1.90	35 x 25
100	380LX101M420J012	2.000	0.700	0.90	1.30	25 x 25	220	380LX221M450J452	0.754	0.301	1.55	2.17	25 x 45
120	380LX121M420H032	1.660	0.590	1.00	1.40	22 x 35	220	380LX221M450K032	0.754	0.301	1.55	2.17	30 x 35
120	380LX121M420J022	1.660	0.590	1.00	1.40	25 x 30	220	380LX221M450A022	0.904	0.461	1.60	2.20	35 x 30
150	380LX151M420H042	1.330	0.450	1.15	1.60	22 x 40	270	380LX271M450K452	0.680	0.270	1.80	2.50	30 x 45
150	380LX151M420J022	1.330	0.450	1.15	1.60	25 x 30	270	380LX271M450A022	0.680	0.270	1.80	2.50	35 x 30
150	380LX151M420K012	1.330	0.450	1.15	1.60	30 x 25	330	380LX331M450K052	0.550	0.250	2.00	2.80	30 x 50
180	380LX181M420J012	1.100	0.390	1.45	2.00	22 x 45	330	380LX331M450A032	0.553	0.221	2.01	2.81	35 x 35
180	380LX181M420J032	1.100	0.390	1.45	2.00	25 x 35	390	380LX391M450A452	0.510	0.260	2.20	3.10	35 x 45
180	380LX181M420K022	1.100	0.390	1.45	2.00	30 x 30	470	380LX471M450A452	0.423	0.233	2.53	3.54	35 x 45
220	380LX221M420J452	0.900	0.320	1.50	2.10	25 x 45	470	382LX471M450N042	0.423	0.233	2.53	3.54	40 x 40
220	380LX221M420K022	0.900	0.320	1.50	2.10	30 x 30	560	380LX561M450A052	0.355	0.171	2.50	3.50	35 x 50
220	380LX221M420A012	0.900	0.320	1.50	2.10	35 x 25	560	380LX561M450A062	0.355	0.195	2.90	4.10	35 x 63
270	380LX271M420J052	0.740	0.260	1.70	2.30	25 x 50	680	380L681M450A072	0.226	0.120	3.20	4.20	35 x 70
270	380LX271M420K032	0.740	0.260	1.70	2.30	30 x 35	680	382LX681M450N052	0.290	0.160	3.15	4.40	40 x 50
270	380LX271M420A022	0.740	0.260	1.70	1.93	35 x 30	680	382L681M450N062	0.201	0.109	3.40	4.50	40 x 63

Type 380LX / 382LX 85 °C High Capacitance, Snap-In Aluminum

2, 4 and 5 pin styles available

Cap. (µF)	Catalog Part Number	Max. ESR		Ripple Amps		Nominal Size D x L (mm)
		Ω@ 25 °C		Max. @ 85 °C		
		120 Hz	20 kHz	120 Hz	20 kHz	
450 Vdc (500 Vdc Surge)						
820	382LX821M450N062	0.243	0.133	3.70	5.20	40 x 63
820	380LX821M450A082	0.243	0.133	3.80	5.30	35 x 80
820	382LX821M450B052V	0.263	0.145	4.31	4.96	50 x 50
1000	382LX102M450N082	0.216	0.119	4.20	5.90	40 x 80
1000	382LX102M450B062V	0.216	0.119	4.96	6.94	50 x 63
1200	380LX122M450A102	0.166	0.091	4.80	6.72	35 x 105
1200	382LX122M450N082	0.166	0.091	4.85	6.80	40 x 80
1200	382LX122M450B082V	0.180	0.099	5.71	7.99	50 x 80
1500	382LX152M450N102	0.133	0.073	5.81	8.13	40 x 105
1500	382LX152M450B092V	0.144	0.079	6.55	9.17	50 x 92
1800	382LX182M450B102V	0.120	0.066	7.38	10.30	50 x 105
500 Vdc (550 Vdc Surge)						
33	380LX330M500H012	4.420	2.652	0.60	0.80	22 x 25
47	380LX470M500H012	3.500	2.100	0.63	0.88	22 x 25
56	380LX560M500H022	2.980	1.788	0.70	0.98	22 x 30
68	380LX680M500H032	2.720	1.632	0.78	1.09	22 x 35
68	380LX680M500J012	2.720	1.632	0.78	1.09	25 x 25
82	380LX820M500H042	2.455	1.473	0.88	1.23	22 x 40
82	380LX820M500J022	2.455	1.473	0.88	1.23	25 x 30
82	380LX820M500K012	2.455	1.473	0.90	1.20	30 x 25
100	380LX101M500H452	2.013	1.208	0.99	1.39	22 x 45
100	380LX101M500J032	2.013	1.208	0.99	1.39	25 x 35
100	380LX101M500J042	2.013	1.208	1.10	1.50	25 x 40
100	380LX101M500K022	2.013	1.208	1.10	1.50	30 x 30
100	380LX101M500A012	2.013	1.208	1.10	1.50	35 x 25
120	380LX121M500H052	1.678	1.007	1.13	1.58	22 x 50
120	380LX121M500J042	1.678	1.007	1.13	1.58	25 x 40
120	380LX121M500K022	1.678	1.007	1.13	1.58	30 x 30
120	380LX121M500K032	1.678	1.007	1.40	1.90	30 x 35
120	380LX121M500A022	1.678	1.007	1.40	1.90	35 x 30
150	380LX151M500J452	1.105	0.442	1.29	1.80	25 x 45
150	380LX151M500J052	0.945	0.585	1.40	1.90	25 x 50
150	380LX151M500K032	1.105	0.442	1.29	1.80	30 x 35
150	380LX151M500K042	0.926	0.562	1.60	2.20	30 x 40

Cap. (µF)	Catalog Part Number	Max. ESR		Ripple Amps		Nominal Size D x L (mm)
		Ω@ 25 °C		Max. @ 85 °C		
		120 Hz	20 kHz	120 Hz	20 kHz	
500 Vdc (550 Vdc Surge)						
150	380LX151M500A012	1.342	0.805	1.29	1.80	35 x 25
180	380LX181M500J052	0.920	0.368	1.38	1.93	25 x 50
180	380LX181M500K042	0.920	0.368	1.38	1.93	30 x 40
180	380LX181M500A022	1.119	0.671	1.38	1.93	35 x 30
180	380LX181M500A032	1.119	0.671	1.60	2.20	35 x 35
220	380LX221M500K452	0.754	0.339	1.50	2.10	30 x 45
220	380LX221M500K052	0.654	0.397	2.00	2.70	30 x 50
220	380LX221M500A032	0.915	0.549	1.50	2.10	35 x 35
220	380LX221M500A042	0.915	0.549	1.90	2.50	35 x 40
270	380LX271M500A042	0.746	0.447	1.76	2.46	35 x 40
270	380LX271M500A052	0.746	0.447	2.30	3.10	35 x 50
270	382L271M500N042	0.746	0.447	2.40	3.20	40 x 40
330	380LX331M500A452	0.610	0.366	1.99	2.79	35 x 45
330	382LX331M500N042	0.610	0.366	2.16	3.00	40 x 40
390	380LX391M500A052	0.516	0.310	2.22	3.11	35 x 50
390	380LX391M500A062	0.516	0.310	2.70	3.60	35 x 63
390	382L391M500N052	0.516	0.310	2.90	3.90	40 x 50
470	380LX471M500A062	0.428	0.257	2.58	3.61	35 x 63
470	380LX471M500A072	0.428	0.257	3.20	4.20	35 x 70
470	382LX471M500N052	0.428	0.257	2.70	3.78	40 x 50
470	382L471M500N062	0.428	0.257	3.40	4.50	40 x 63
560	380LX561M500A082	0.360	0.216	3.60	4.80	35 x 80
560	382LX561M500N062	0.360	0.216	3.11	4.35	40 x 63
560	382LX561M500B052V	0.360	0.216	3.52	4.05	50 x 50
680	382L681M500N082	0.296	0.178	4.50	6.00	40 x 80
680	380LX681M500A082	0.296	0.178	3.21	4.49	35 x 80
680	382LX681M500B062V	0.296	0.178	4.07	5.70	50 x 63
820	380LX821M500A102	0.246	0.147	3.97	5.56	35 x 105
820	382LX821M500N082	0.246	0.147	3.88	5.43	40 x 80
1000	382LX102M500B082V	0.201	0.121	5.05	7.07	50 x 80
1200	382LX122M500N102	0.168	0.101	5.90	8.26	40 x 105
1200	382LX122M500B092V	0.168	0.101	5.74	8.04	50 x 92
1500	382LX152M500B102V	0.134	0.081	6.65	9.31	50 x 105