



**THE DATASHEET OF  
SLPX102M160C7P3**



# Type SLPX 85 °C Snap-In Aluminum Electrolytic

## Best Value 85 °C Snap-In Type



Type SLPX is the best value package snap-in series for 85 °C, 3000 h operation. This series is the most cost-effective choice for DC filtering and power supply applications where long life and high ripple capability are needed.

### Highlights

- 3000 h ripple load life at rated voltage
- 85 °C rated
- Small case size with high capacitance
- Best for switching power supplies
- 22 mm to 35 mm diameter, 10 mm lead spacing
- Great value snap-in type
- High ripple current

### Specifications

Temperature Range	-40 °C to +85 °C ≤ 250 Vdc -25 °C to +85 °C ≥ 315 Vdc																							
Rated Voltage Range	10 Vdc to 450 Vdc																							
Capacitance Range	68 µF to 82,000 µF																							
Capacitance Tolerance	±20%																							
Leakage Current	≤ 3 $\sqrt{CV}$ µA at 5 minutes																							
Ripple Current Multipliers	<p>Ambient Temperature</p> <table border="1"> <thead> <tr> <th>20 °C - 45 °C</th> <th>55 °C</th> <th>65 °C - 75 °C</th> <th>85 °C</th> </tr> </thead> <tbody> <tr> <td>1.58</td> <td>1.41</td> <td>1.22</td> <td>1.00</td> </tr> </tbody> </table> <p>Frequency</p> <table border="1"> <thead> <tr> <th>Voltage</th> <th>60 Hz</th> <th>120 Hz</th> <th>1 kHz</th> <th>10 kHz &amp; Up</th> </tr> </thead> <tbody> <tr> <td>10 - 100 Vdc</td> <td>0.90</td> <td>1.00</td> <td>1.15</td> <td>1.25</td> </tr> <tr> <td>160 - 450 Vdc</td> <td>0.80</td> <td>1.00</td> <td>1.15</td> <td>1.47</td> </tr> </tbody> </table> <p>To apply multipliers, see ratings tables for ripple current values</p>	20 °C - 45 °C	55 °C	65 °C - 75 °C	85 °C	1.58	1.41	1.22	1.00	Voltage	60 Hz	120 Hz	1 kHz	10 kHz & Up	10 - 100 Vdc	0.90	1.00	1.15	1.25	160 - 450 Vdc	0.80	1.00	1.15	1.47
20 °C - 45 °C	55 °C	65 °C - 75 °C	85 °C																					
1.58	1.41	1.22	1.00																					
Voltage	60 Hz	120 Hz	1 kHz	10 kHz & Up																				
10 - 100 Vdc	0.90	1.00	1.15	1.25																				
160 - 450 Vdc	0.80	1.00	1.15	1.47																				
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	3,000 h @ full load @ 85 °C Δ Capacitance ±20% ESR ≤ 200% of limit DCL 100 % of limit																							
Shelf Life	1,000 h @ 85 °C Δ Capacitance ±15% ESR ≤ 150% of limit DCL 100 % of limit																							
Vibration	10 Hz to 55 Hz 0.06" and 10g max 2 h in each plane																							
<a href="#">Regulatory Information</a>																								

# Type SLPX 85 °C Snap-In Aluminum Electrolytic

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### Part Numbering System

<b>SLPX</b>	<b>562</b>	<b>M</b>	<b>025</b>	<b>A1</b>	<b>P</b>	<b>3</b>	<b>A</b>
Type	Cap	Tolerance	Voltage	Case Code	Polarity	Insulating Sleeve	Pin Style
<b>SLPX</b>	<b>821</b> = 820 µF <b>332</b> = 3300 µF <b>103</b> = 10,000 µF	<b>M</b> = ±20%	<b>025</b> = 25 Vdc <b>250</b> = 250 Vdc		<b>P</b> = Polarized	<b>3</b> = PVC or PET (PET after 12/19)	<b>Blank</b> = 2 pins snap-in 6.3 mm L <b>A</b> = 2 pins snap-in 4.0 mm L

Diameter	Length					
	25	30	35	40	45	50
mm (in)	(1.00)	(1.18)	(1.38)	(1.57)	(1.77)	(2.00)
<b>22</b>	A1	A3	A5	A7	A4	A9
<b>25</b>	C1	C3	C5	C7	C4	C9
<b>30</b>	E1	E3	E5	E7	E4	E9
<b>35</b>	H1	H3	H5	H7	H4	H9

### Outline Drawing



PC Board Mounting Holes

### Ratings

Cap (µF)	3000 h @ 85 °C Catalog Part Number	Max 25 °C ESR (Ω) 120 Hz 20kHz	Max 85 °C Ripple (A <sub>rms</sub> ) 120 Hz 20kHz	Nominal Size (DxL) (mm)
<b>10 Vdc (13 Vdc Surge)</b>				
12000	SLPX123M010A1P3	0.061 0.046	2.41 3.01	22 x 25
15000	SLPX153M010A3P3	0.049 0.037	2.88 3.60	22 x 30
15000	SLPX153M010C1P3	0.049 0.037	2.88 3.60	25 x 25
18000	SLPX183M010A5P3	0.041 0.031	3.22 4.03	22 x 35
18000	SLPX183M010C3P3	0.041 0.031	3.08 3.85	25 x 30
22000	SLPX223M010A7P3	0.033 0.025	3.79 4.74	22 x 40
22000	SLPX223M010C3P3	0.033 0.025	3.66 4.58	25 x 30
22000	SLPX223M010E1P3	0.033 0.025	3.53 4.41	30 x 25
27000	SLPX273M010A4P3	0.027 0.020	4.04 5.05	22 x 45
27000	SLPX273M010C5P3	0.027 0.020	4.04 5.05	25 x 35
27000	SLPX273M010E3P3	0.027 0.020	3.99 4.99	30 x 30
33000	SLPX333M010A9P3	0.022 0.017	4.58 5.73	22 x 50
33000	SLPX333M010C7P3	0.022 0.017	4.56 5.70	25 x 40
33000	SLPX333M010E3P3	0.022 0.017	4.58 5.73	30 x 30
39000	SLPX393M010C4P3	0.019 0.014	5.29 6.61	25 x 45
39000	SLPX393M010E5P3	0.019 0.014	5.21 6.51	30 x 35
39000	SLPX393M010H3P3	0.019 0.014	5.50 6.88	35 x 30
47000	SLPX473M010C9P3	0.016 0.012	5.78 7.23	25 x 50
47000	SLPX473M010E7P3	0.016 0.012	5.78 7.23	30 x 40
47000	SLPX473M010H5P3	0.016 0.012	5.55 6.94	35 x 35
56000	SLPX563M010E4P3	0.013 0.010	6.59 8.24	30 x 45
56000	SLPX563M010H5P3	0.013 0.010	6.40 8.00	35 x 35

### Additional Voltages and Sizes available at [www.cde.com/catalogs/SLPX.pdf](http://www.cde.com/catalogs/SLPX.pdf)

Cap (µF)	3000 h @ 85 °C Catalog Part Number	Max 25 °C ESR (Ω) 120 Hz 20kHz	Max 85 °C Ripple (A <sub>rms</sub> ) 120 Hz 20kHz	Nominal Size (DxL) (mm)
<b>10 Vdc (13 Vdc Surge)</b>				
68000	SLPX683M010E9P3	0.011 0.008	7.50 9.38	30 x 50
68000	SLPX683M010H7P3	0.011 0.008	7.48 9.35	35 x 40
82000	SLPX823M010H9P3	0.009 0.007	8.50 10.63	35 x 50
<b>16 Vdc (20 Vdc Surge)</b>				
8200	SLPX822M016A1P3	0.081 0.061	2.56 3.20	22 x 25
10000	SLPX103M016A3P3	0.066 0.050	2.89 3.61	22 x 30
12000	SLPX123M016A3P3	0.055 0.041	3.13 3.91	22 x 30
12000	SLPX123M016C1P3	0.055 0.041	3.01 3.76	25 x 25
15000	SLPX153M016A5P3	0.044 0.033	3.69 4.61	22 x 35
15000	SLPX153M016C3P3	0.044 0.033	3.64 4.55	25 x 30
15000	SLPX153M016E1P3	0.044 0.033	3.73 4.66	30 x 25
18000	SLPX183M016A7P3	0.037 0.028	3.98 4.98	22 x 40
18000	SLPX183M016C5P3	0.037 0.028	3.98 4.98	25 x 35
18000	SLPX183M016E3P3	0.037 0.028	3.88 4.85	30 x 30
22000	SLPX223M016A9P3	0.030 0.023	4.52 5.65	22 x 50
22000	SLPX223M016C7P3	0.030 0.023	4.44 5.55	25 x 40
22000	SLPX223M016E3P3	0.030 0.023	4.38 5.48	30 x 30
27000	SLPX273M016C4P3	0.025 0.019	4.98 6.23	25 x 45
27000	SLPX273M016E5P3	0.025 0.019	4.95 6.19	30 x 35
27000	SLPX273M016H3P3	0.025 0.019	4.82 6.03	35 x 30
33000	SLPX333M016C9P3	0.020 0.015	5.49 6.86	25 x 50
33000	SLPX333M016E7P3	0.020 0.015	5.60 7.00	30 x 40

# Type SLPX 85 °C Snap-In Aluminum Electrolytic

## Best Value 85 °C Snap-In Type

Cap (µF)	3000 h @ 85 °C Catalog Part Number	Max 25 °C ESR (Ω)		Max 85 °C Ripple (A <sub>rms</sub> )		Nominal Size (DxL) (mm)	Cap (µF)	3000 h @ 85 °C Catalog Part Number	Max 25 °C ESR (Ω)		Max 85 °C Ripple (A <sub>rms</sub> )		Nominal Size (DxL) (mm)
		120 Hz	20kHz	120 Hz	20kHz				120 Hz	20kHz	120 Hz	20kHz	
<b>16 Vdc (20 Vdc Surge)</b>							<b>35 Vdc (44 Vdc Surge)</b>						
33000	SLPX333M016H3P3	0.020	0.015	5.46	6.83	35 x 30	10000	SLPX103M035C7P3	0.053	0.040	3.65	4.56	25 x 40
39000	SLPX393M016E4P3	0.017	0.013	6.21	7.76	30 x 45	10000	SLPX103M035E3P3	0.053	0.040	3.61	4.51	30 x 30
39000	SLPX393M016H5P3	0.017	0.013	6.12	7.65	35 x 35	12000	SLPX123M035C4P3	0.044	0.033	4.15	5.19	25 x 45
47000	SLPX473M016E9P3	0.014	0.011	6.93	8.66	30 x 50	12000	SLPX123M035E5P3	0.044	0.033	4.14	5.18	30 x 35
47000	SLPX473M016H7P3	0.014	0.011	6.89	8.61	35 x 40	12000	SLPX123M035H3P3	0.044	0.033	4.27	5.34	35 x 30
56000	SLPX563M016H4P3	0.012	0.009	7.69	9.61	35 x 45	15000	SLPX153M035C9P3	0.035	0.026	4.77	5.96	25 x 50
<b>25 Vdc (32 Vdc Surge)</b>							<b>50 Vdc (63 Vdc Surge)</b>						
5600	SLPX562M025A1P3	0.107	0.080	2.31	2.89	22 x 25	15000	SLPX153M035E7P3	0.035	0.026	4.80	6.00	30 x 40
6800	SLPX682M025A3P3	0.088	0.066	2.56	3.20	22 x 30	15000	SLPX153M035H5P3	0.035	0.026	4.95	6.19	35 x 35
8200	SLPX822M025A5P3	0.073	0.055	2.86	3.58	22 x 35	18000	SLPX183M035E4P3	0.029	0.022	5.30	6.63	30 x 45
8200	SLPX822M025C1P3	0.073	0.055	2.78	3.48	25 x 25	18000	SLPX183M035H7P3	0.029	0.022	5.71	7.14	35 x 40
10000	SLPX103M025A5P3	0.060	0.045	3.31	4.14	22 x 35	22000	SLPX223M035H4P3	0.024	0.018	6.38	7.98	35 x 45
10000	SLPX103M025C3P3	0.060	0.045	3.16	3.95	25 x 30	27000	SLPX273M035H9P3	0.020	0.015	6.90	8.63	35 x 50
10000	SLPX103M025E1P3	0.060	0.045	3.28	4.10	30 x 25							
12000	SLPX123M025A7P3	0.050	0.038	3.77	4.71	22 x 40							
12000	SLPX123M025C5P3	0.050	0.038	3.63	4.54	25 x 35							
12000	SLPX123M025E1P3	0.050	0.038	3.80	4.75	30 x 25							
15000	SLPX153M025A9P3	0.040	0.030	4.21	5.26	22 x 50							
15000	SLPX153M025C7P3	0.040	0.030	4.10	5.13	25 x 40							
15000	SLPX153M025E3P3	0.040	0.030	4.00	5.00	30 x 30							
18000	SLPX183M025C4P3	0.033	0.025	4.68	5.85	25 x 45							
18000	SLPX183M025E5P3	0.033	0.025	4.66	5.83	30 x 35							
18000	SLPX183M025H3P3	0.033	0.025	4.68	5.85	35 x 30							
22000	SLPX223M025C9P3	0.027	0.020	5.29	6.61	25 x 50							
22000	SLPX223M025E7P3	0.027	0.020	5.33	6.66	30 x 40							
22000	SLPX223M025H5P3	0.027	0.020	5.26	6.58	35 x 35							
27000	SLPX273M025E4P3	0.022	0.017	6.02	7.53	30 x 45							
27000	SLPX273M025H7P3	0.022	0.017	6.02	7.53	35 x 40							
33000	SLPX333M025E9P3	0.018	0.014	5.29	6.61	30 x 50							
33000	SLPX333M025H4P3	0.018	0.014	6.75	8.44	35 x 45							
39000	SLPX393M025H9P3	0.015	0.011	7.56	9.45	35 x 50							
<b>35 Vdc (44 Vdc Surge)</b>							<b>63 Vdc (79 Vdc Surge)</b>						
3900	SLPX392M035A1P3	0.136	0.102	2.22	2.78	22 x 25	1800	SLPX182M063A1P3	0.221	0.166	1.90	2.38	22 x 25
4700	SLPX472M035A3P3	0.113	0.085	2.46	3.08	22 x 30	2200	SLPX222M063A3P3	0.181	0.136	2.35	2.94	22 x 30
4700	SLPX472M035C1P3	0.113	0.085	2.43	3.04	25 x 25	2200	SLPX222M063C1P3	0.181	0.136	2.30	2.88	25 x 25
5600	SLPX562M035A3P3	0.095	0.071	2.61	3.26	22 x 30	2700	SLPX272M063A5P3	0.147	0.110	2.50	3.13	22 x 35
5600	SLPX562M035A5P3	0.095	0.071	2.79	3.49	22 x 35	2700	SLPX272M063C3P3	0.147	0.110	2.52	3.15	25 x 30
5600	SLPX562M035C3P3	0.095	0.071	2.75	3.44	25 x 30							
6800	SLPX682M035A7P3	0.078	0.059	2.97	3.71	22 x 40							
6800	SLPX682M035C3P3	0.078	0.059	2.89	3.61	25 x 30							
6800	SLPX682M035E1P3	0.078	0.059	3.09	3.86	30 x 25							
8200	SLPX822M035A4P3	0.065	0.049	3.47	4.34	22 x 45							
8200	SLPX822M035C5P3	0.065	0.049	3.33	4.16	25 x 35							
8200	SLPX822M035E3P3	0.065	0.049	3.29	4.11	30 x 30							
10000	SLPX103M035A9P3	0.053	0.040	3.75	4.69	22 x 50							

\*Denotes Discontinued Part

# Type SLPX 85 °C Snap-In Aluminum Electrolytic

## Best Value 85 °C Snap-In Type

Cap (µF)	3000 h @ 85 °C		Max 25 °C ESR		Max 85 °C Ripple		Nominal Size (DxL) (mm)	Cap (µF)	3000 h @ 85 °C		Max 25 °C ESR		Max 85 °C Ripple		Nominal Size (DxL) (mm)
	Catalog Part Number		(Ω) 120 Hz	(Ω) 20kHz	(A <sub>rms</sub> ) 120 Hz	(A <sub>rms</sub> ) 20kHz			Catalog Part Number		(Ω) 120 Hz	(Ω) 20kHz	(A <sub>rms</sub> ) 120 Hz	(A <sub>rms</sub> ) 20kHz	
<b>63 Vdc (79 Vdc Surge)</b>								<b>80 Vdc (100 Vdc Surge)</b>							
3300	SLPX332M063A7P3	0.121	0.091	2.72	3.40	22 x 40	8200	SLPX822M080H4P3	0.040	0.030	5.89	7.36	35 x 45		
3300	SLPX332M063C3P3	0.121	0.091	2.74	3.43	25 x 30	10000	SLPX103M080H9P3	0.033	0.025	6.63	8.29	35 x 50		
3300	SLPX332M063E1P3	0.121	0.091	2.78	3.48	30 x 25	<b>100 Vdc (125 Vdc Surge)</b>								
3900	SLPX392M063A4P3	0.102	0.077	3.09	3.86	22 x 45	820	SLPX821M100A1P3	0.324	0.243	1.86	2.33	22 x 25		
3900	SLPX392M063C5P3	0.102	0.077	3.13	3.91	25 x 35	1000	SLPX102M100A3P3	0.265	0.199	2.02	2.53	22 x 30		
3900	SLPX392M063E3P3	0.102	0.077	3.09	3.86	30 x 30	1200	SLPX122M100A3P3	0.221	0.166	2.12	2.65	22 x 30		
4700	SLPX472M063A9P3	0.085	0.064	3.69	4.61	22 x 50	1200	SLPX122M100C1P3	0.221	0.166	2.11	2.64	25 x 25		
4700	SLPX472M063C7P3	0.085	0.064	3.59	4.49	25 x 40	1500	SLPX152M100A5P3	0.177	0.133	2.45	3.06	22 x 35		
4700	SLPX472M063E3P3	0.085	0.064	3.54	4.43	30 x 30	1500	SLPX152M100C3P3	0.177	0.133	2.47	3.09	25 x 30		
5600	SLPX562M063C4P3	0.071	0.053	4.01	5.01	25 x 45	1800	SLPX182M100A7P3	0.147	0.110	2.77	3.46	22 x 40		
5600	SLPX562M063E5P3	0.071	0.053	4.00	5.00	30 x 35	1800	SLPX182M100C5P3	0.147	0.110	2.81	3.51	25 x 35		
5600	SLPX562M063H3P3	0.071	0.053	3.75	4.69	35 x 30	1800	SLPX182M100E1P3	0.147	0.110	2.65	3.31	30 x 25		
6800	SLPX682M063C9P3	0.059	0.044	4.52	5.65	25 x 50	2200	SLPX222M100A4P3	0.121	0.091	3.15	3.94	22 x 45		
6800	SLPX682M063E7P3	0.059	0.044	4.55	5.69	30 x 40	2200	SLPX222M100C7P3	0.121	0.091	3.21	4.01	25 x 40		
6800	SLPX682M063H3P3	0.059	0.044	4.44	5.55	35 x 30	2200	SLPX222M100E3P3	0.121	0.091	3.17	3.96	30 x 30		
8200	SLPX822M063E4P3	0.049	0.037	5.12	6.40	30 x 45	2700	SLPX272M100C4P3	0.098	0.074	3.66	4.58	25 x 45		
8200	SLPX822M063H5P3	0.049	0.037	5.05	6.31	35 x 35	2700	SLPX272M100E5P3	0.098	0.074	3.65	4.56	30 x 35		
10000	SLPX103M063E9P3	0.040	0.030	5.78	7.23	30 x 50	2700	SLPX272M100H3P3	0.098	0.074	3.77	4.71	35 x 30		
10000	SLPX103M063H7P3	0.040	0.030	5.75	7.19	35 x 40	3300	SLPX332M100C9P3	0.080	0.060	4.15	5.19	25 x 50		
12000	SLPX123M063E9P3	0.033	0.025	6.20	7.75	30 x 50	3300	SLPX332M100E7P3	0.080	0.060	4.18	5.23	30 x 40		
12000	SLPX123M063H4P3	0.033	0.025	6.47	8.09	35 x 45	3300	SLPX332M100H5P3	0.080	0.060	4.07	5.09	35 x 35		
12000	SLPX123M063H9P3	0.033	0.025	6.76	8.45	35 x 50	3900	SLPX392M100E4P3	0.068	0.051	4.67	5.84	30 x 45		
<b>80 Vdc (100 Vdc Surge)</b>								3900	SLPX392M100H5P3	0.068	0.051	4.61	5.76	35 x 35	
1200	SLPX122M080A1P3	0.276	0.207	1.77	2.21	22 x 25	4700	SLPX472M100H7P3	0.056	0.042	5.23	6.54	35 x 40		
1500	SLPX152M080A3P3	0.221	0.166	2.01	2.51	22 x 30	4700	SLPX472M100E9P3	0.056	0.042	5.26	6.58	30 x 50		
1800	SLPX182M080A3P3	0.184	0.138	2.11	2.64	22 x 30	5600	SLPX562M100H4P3	0.047	0.035	5.88	7.35	35 x 45		
1800	SLPX182M080C1P3	0.184	0.138	2.26	2.83	25 x 25	6800	SLPX682M100H9P3	0.039	0.029	6.01	7.51	35 x 50		
2200	SLPX222M080A7P3	0.151	0.113	2.53	3.16	22 x 40	<b>160 Vdc (200 Vdc Surge)</b>								
2200	SLPX222M080C3P3	0.151	0.113	2.53	3.16	25 x 30	390	SLPX391M160A1P3	0.510	0.383	1.63	2.40	22 x 25		
2200	SLPX222M080E1P3	0.151	0.113	2.56	3.20	30 x 25	470	SLPX471M160A3P3	0.423	0.317	1.86	2.73	22 x 30		
2700	SLPX272M080A4P3	0.123	0.092	2.93	3.66	22 x 45	470	SLPX471M160C1P3	0.423	0.317	1.86	2.73	25 x 25		
2700	SLPX272M080C5P3	0.123	0.092	2.93	3.66	25 x 35	560	SLPX561M160A3P3	0.355	0.266	2.15	3.16	22 x 30		
2700	SLPX272M080E3P3	0.123	0.092	2.91	3.64	30 x 30	560	SLPX561M160C3P3	0.355	0.266	2.15	3.16	25 x 30		
3300	SLPX332M080A9P3	0.101	0.076	3.23	4.04	22 x 50	680	SLPX681M160A7P3	0.293	0.220	2.35	3.45	22 x 40		
3300	SLPX332M080C7P3	0.101	0.076	3.29	4.11	25 x 40	680	SLPX681M160C3P3	0.293	0.220	2.33	3.43	25 x 30		
3300	SLPX332M080E3P3	0.101	0.076	3.25	4.06	30 x 30	680	SLPX681M160E1P3	0.293	0.220	2.33	3.43	30 x 25		
3900	SLPX392M080C4P3	0.085	0.064	3.62	4.53	25 x 45	820	SLPX821M160A4P3	0.243	0.182	2.68	3.94	22 x 45		
3900	SLPX392M080E5P3	0.085	0.064	3.70	4.63	30 x 35	820	SLPX821M160C5P3	0.243	0.182	2.65	3.90	25 x 35		
4700	SLPX472M080C9P3	0.071	0.053	4.28	5.35	25 x 50	820	SLPX821M160E3P3	0.243	0.182	2.64	3.88	30 x 30		
4700	SLPX472M080E7P3	0.071	0.053	4.23	5.29	30 x 40	1000	SLPX102M160A9P3	0.199	0.149	3.02	4.44	22 x 50		
4700	SLPX472M080H3P3	0.071	0.053	4.12	5.15	35 x 30	1000	SLPX102M160C7P3	0.199	0.149	3.00	4.41	25 x 40		
5600	SLPX562M080E4P3	0.059	0.044	4.70	5.88	30 x 45	1000	SLPX102M160E3P3	0.199	0.149	2.96	4.35	30 x 30		
5600	SLPX562M080H5P3	0.059	0.044	4.64	5.80	35 x 35	1200	SLPX122M160C4P3	0.166	0.125	3.43	5.04	25 x 45		
6800	SLPX682M080E9P3	0.049	0.037	5.27	6.59	30 x 50	1200	SLPX122M160E5P3	0.166	0.125	3.41	5.01	30 x 35		
6800	SLPX682M080H7P3	0.049	0.037	5.24	6.55	35 x 40	1200	SLPX122M160H3P3	0.166	0.125	3.40	5.00	35 x 30		

# Type SLPX 85 °C Snap-In Aluminum Electrolytic

## Best Value 85 °C Snap-In Type

Cap (µF)	3000 h @ 85 °C		Max 25 °C ESR		Max 85 °C Ripple		Nominal Size (DxL) (mm)	Cap (µF)	3000 h @ 85 °C		Max 25 °C ESR		Max 85 °C Ripple		Nominal Size (DxL) (mm)
	Catalog Part Number		(Ω) 120 Hz	(Ω) 20kHz	(A <sub>rms</sub> ) 120 Hz	(A <sub>rms</sub> ) 20kHz			Catalog Part Number		(Ω) 120 Hz	(Ω) 20kHz	(A <sub>rms</sub> ) 120 Hz	(A <sub>rms</sub> ) 20kHz	
<b>160 Vdc (200 Vdc Surge)</b>								<b>200 Vdc (250 Vdc Surge)</b>							
1500	SLPX152M160E7P3		0.133	0.100	3.96	5.82	30 x 40	820	SLPX821M200C7P3		0.243	0.182	2.79	4.10	25 x 40
1500	SLPX152M160H5P3		0.133	0.100	3.94	5.79	35 x 35	820	SLPX821M200E3P3		0.243	0.182	2.75	4.04	30 x 30
1800	SLPX182M160E4P3		0.111	0.083	4.31	6.34	30 x 45	1000	SLPX102M200C4P3		0.199	0.149	3.28	4.82	25 x 45
1800	SLPX182M160H5P3		0.111	0.083	4.28	6.29	35 x 35	1000	SLPX102M200E5P3		0.199	0.149	3.15	4.63	30 x 35
2200	SLPX222M160H7P3		0.090	0.068	4.96	7.29	35 x 40	1000	SLPX102M200H3P3		0.199	0.149	3.25	4.78	35 x 30
2700	SLPX272M160H9P3		0.074	0.056	5.57	8.19	35 x 50	1200	SLPX122M200C9P3		0.166	0.125	3.61	5.31	25 x 50
<b>180 Vdc (225 Vdc Surge)</b>								<b>220 Vdc (270 Vdc Surge)</b>							
330	SLPX331M180A1P3		0.603	0.452	1.49	2.19	22 x 25	220	SLPX221M220A1P3		0.905	0.679	1.30	1.91	22 x 25
390	SLPX391M180A1P3		0.510	0.383	1.84	2.70	22 x 25	270	SLPX271M220A1P3		0.737	0.553	1.42	2.09	22 x 25
470	SLPX471M180A3P3		0.423	0.317	1.91	2.81	22 x 30	330	SLPX331M220A3P3		0.603	0.452	1.59	2.34	22 x 30
470	SLPX471M180C1P3		0.423	0.317	2.08	3.06	25 x 25	330	SLPX331M220C1P3		0.603	0.452	1.59	2.34	25 x 25
560	SLPX561M180A5P3		0.355	0.266	2.25	3.31	22 x 35	390	SLPX391M220A5P3		0.510	0.383	1.80	2.65	22 x 35
560	SLPX561M180C1P3		0.355	0.266	2.25	3.31	25 x 25	390	SLPX391M220C1P3		0.510	0.383	1.75	2.57	25 x 25
680	SLPX681M180A5P3		0.293	0.220	2.48	3.65	22 x 35	470	SLPX471M220A5P3		0.423	0.317	2.06	3.03	22 x 35
680	SLPX681M180C3P3		0.293	0.220	2.50	3.68	25 x 30	470	SLPX471M220C3P3		0.423	0.317	2.08	3.06	25 x 30
680	SLPX681M180E1P3		0.293	0.220	2.46	3.62	30 x 25	470	SLPX471M220E1P3		0.423	0.317	2.16	3.18	30 x 25
820	SLPX821M180A7P3		0.243	0.182	2.86	4.20	22 x 40	560	SLPX561M220A7P3		0.355	0.266	2.22	3.26	22 x 40
820	SLPX821M180C5P3		0.243	0.182	2.75	4.04	25 x 35	560	SLPX561M220C5P3		0.355	0.266	2.38	3.50	25 x 35
820	SLPX821M180E1P3		0.243	0.182	2.69	3.95	30 x 25	560	SLPX561M220E1P3		0.355	0.266	2.18	3.20	30 x 25
1000	SLPX102M180C7P3		0.199	0.149	3.06	4.50	25 x 40	680	SLPX681M220A4P3		0.293	0.220	2.62	3.85	22 x 45
1000	SLPX102M180E3P3		0.199	0.149	3.10	4.56	30 x 30	680	SLPX681M220C7P3		0.293	0.220	2.56	3.76	25 x 40
1200	SLPX122M180C4P3		0.166	0.125	3.63	5.34	25 x 45	680	SLPX681M220E3P3		0.293	0.220	2.52	3.70	30 x 30
1200	SLPX122M180E5P3		0.166	0.125	3.55	5.22	30 x 35	820	SLPX821M220C4P3		0.243	0.182	2.91	4.28	25 x 45
1200	SLPX122M180H3P3		0.166	0.125	3.49	5.13	35 x 30	820	SLPX821M220E5P3		0.243	0.182	2.84	4.17	30 x 35
1500	SLPX152M180E7P3		0.133	0.100	4.10	6.03	30 x 40	820	SLPX821M220H3P3		0.243	0.182	2.79	4.10	35 x 35
1500	SLPX152M180H5P3		0.133	0.100	4.02	5.91	35 x 35	1000	SLPX102M220C9P3		0.199	0.149	3.53	5.19	25 x 50
1800	SLPX182M180E4P3		0.111	0.083	4.55	6.69	30 x 45	1000	SLPX102M220E7P3		0.199	0.149	3.36	4.94	30 x 40
1800	SLPX182M180H5P3		0.111	0.083	4.54	6.67	35 x 35	1000	SLPX102M220H3P3		0.199	0.149	3.29	4.84	35 x 30
2200	SLPX222M180H7P3		0.090	0.068	4.83	6.04	35 x 40	1200	SLPX122M220E7P3		0.166	0.125	3.54	5.20	30 x 40
2700	SLPX272M180H9P3		0.074	0.056	5.30	6.63	35 x 50	1200	SLPX122M220E4P3		0.166	0.125	3.72	5.47	30 x 45
<b>200 Vdc (250 Vdc Surge)</b>								<b>250 Vdc (300 Vdc Surge)</b>							
270	SLPX271M200A1P3		0.737	0.553	1.37	2.01	22 x 25	220	SLPX221M250A1P3		0.905	0.679	1.24	1.82	22 x 25
330	SLPX331M200A3P3*		0.603	0.452	1.63	2.40	22 x 30	270	SLPX271M250A3P3		0.737	0.553	1.50	2.21	22 x 30
330	SLPX331M200A1P3		0.603	0.452	1.51	2.22	22 x 25								
390	SLPX391M200A3P3		0.510	0.383	1.73	2.54	22 x 30								
390	SLPX391M200C1P3		0.510	0.383	1.71	2.51	25 x 25								
470	SLPX471M200A3P3		0.423	0.317	1.97	2.90	22 x 30								
470	SLPX471M200C3P3*		0.423	0.317	1.95	2.87	25 x 30								
560	SLPX561M200A7P3		0.355	0.266	2.18	3.20	22 x 40								
560	SLPX561M200C3P3		0.355	0.266	2.15	3.16	25 x 30								
560	SLPX561M200E1P3		0.355	0.266	2.15	3.16	30 x 25								
680	SLPX681M200A4P3		0.293	0.220	2.48	3.65	22 x 45								
680	SLPX681M200C5P3		0.293	0.220	2.48	3.65	25 x 35								
680	SLPX681M200E3P3		0.293	0.220	2.48	3.65	30 x 30								
820	SLPX821M200A9P3		0.243	0.182	2.81	4.13	22 x 50								

\*Denotes Discontinued Part

# Type SLPX 85 °C Snap-In Aluminum Electrolytic

## Best Value 85 °C Snap-In Type

Cap (µF)	3000 h @ 85 °C		Max 25 °C ESR		Max 85 °C Ripple		Nominal Size (DxL) (mm)	Cap (µF)	3000 h @ 85 °C		Max 25 °C ESR		Max 85 °C Ripple		Nominal Size (DxL) (mm)
	Catalog Part Number		(Ω) 120 Hz	(Ω) 20kHz	(A <sub>rms</sub> ) 120 Hz	(A <sub>rms</sub> ) 20kHz			Catalog Part Number		(Ω) 120 Hz	(Ω) 20kHz	(A <sub>rms</sub> ) 120 Hz	(A <sub>rms</sub> ) 20kHz	
<b>250 Vdc (300 Vdc Surge)</b>								<b>315 Vdc (365 Vdc Surge)</b>							
330	SLPX331M250A3P3		0.603	0.452	1.66	2.44	22 x 30	1000	SLPX102M315H9P3		0.199	0.149	3.57	4.46	35 x 50
330	SLPX331M250C1P3		0.603	0.452	1.61	2.37	25 x 25	<b>350 Vdc (400 Vdc Surge)</b>							
390	SLPX391M250A5P3		0.510	0.383	1.88	2.76	22 x 35	120	SLPX121M350A1P3		1.659	1.244	1.04	1.53	22 x 25
390	SLPX391M250C3P3		0.510	0.383	1.88	2.76	25 x 30	150	SLPX151M350A3P3		1.327	0.995	1.20	1.76	22 x 30
470	SLPX471M250A7P3		0.423	0.317	2.15	3.16	22 x 40	150	SLPX151M350C1P3		1.327	0.995	1.22	1.79	25 x 25
470	SLPX471M250C5P3		0.423	0.317	2.15	3.16	25 x 35	180	SLPX181M350A3P3		1.106	0.830	1.34	1.97	22 x 30
470	SLPX471M250E1P3		0.423	0.317	2.04	3.00	30 x 25	180	SLPX181M350C1P3		1.106	0.830	1.37	2.01	25 x 25
560	SLPX561M250A4P3		0.355	0.266	2.48	3.65	22 x 45	220	SLPX221M350A5P3		0.905	0.679	1.47	2.16	22 x 35
560	SLPX561M250C5P3		0.355	0.266	2.35	3.45	25 x 35	220	SLPX221M350C3P3		0.905	0.679	1.53	2.25	25 x 30
560	SLPX561M250E3P3		0.355	0.266	2.35	3.45	30 x 30	220	SLPX221M350E1P3		0.905	0.679	1.54	2.26	30 x 25
680	SLPX681M250C7P3		0.293	0.220	2.67	3.92	25 x 40	270	SLPX271M350A7P3		0.737	0.553	1.70	2.50	22 x 40
680	SLPX681M250E5P3		0.293	0.220	2.71	3.98	30 x 35	270	SLPX271M350C5P3		0.737	0.553	1.73	2.54	25 x 35
820	SLPX821M250C9P3		0.243	0.182	3.01	4.42	25 x 50	270	SLPX271M350E1P3		0.737	0.553	1.80	2.65	30 x 25
820	SLPX821M250E5P3		0.243	0.182	2.98	4.38	30 x 35	330	SLPX331M350A4P3		0.603	0.452	1.87	2.75	22 x 45
820	SLPX821M250H3P3		0.243	0.182	2.96	4.35	35 x 30	330	SLPX331M350C7P3		0.603	0.452	1.97	2.90	25 x 40
1000	SLPX102M250E5P3		0.199	0.149	3.20	4.70	30 x 35	330	SLPX331M350E3P3		0.603	0.452	2.03	2.98	30 x 30
1000	SLPX102M250E4P3		0.199	0.149	3.56	5.23	30 x 45	390	SLPX391M350C7P3		0.510	0.383	2.14	3.15	25 x 40
1000	SLPX102M250E9P3*		0.199	0.149	3.73	5.48	30 x 50	390	SLPX391M350E5P3		0.510	0.383	2.23	3.28	30 x 35
1000	SLPX102M250H5P3*		0.199	0.149	3.48	5.12	35 x 35	390	SLPX391M350H3P3		0.510	0.383	2.30	3.38	35 x 30
1200	SLPX122M250E9P3		0.166	0.125	3.99	5.87	30 x 50	470	SLPX471M350E5P3		0.423	0.317	2.53	3.72	30 x 35
1200	SLPX122M250H7P3		0.166	0.125	3.84	5.64	35 x 40	470	SLPX471M350H3P3		0.423	0.317	2.55	3.75	35 x 30
1500	SLPX152M250H4P3		0.133	0.100	4.33	6.37	35 x 45	560	SLPX561M350E7P3		0.355	0.266	2.73	4.01	30 x 40
1800	SLPX182M250H9P3		0.111	0.083	4.54	6.67	35 x 50	560	SLPX561M350H5P3		0.355	0.266	2.75	4.04	35 x 35
<b>315 Vdc (365 Vdc Surge)</b>								<b>385 Vdc (435 Vdc Surge)</b>							
180	SLPX181M315A3P3		1.106	0.830	1.29	1.90	22 x 30	82	SLPX820M385A1P3		2.427	1.820	0.76	1.12	22 x 25
180	SLPX181M315C1P3		1.106	0.830	1.38	2.03	25 x 25	100	SLPX101M385A3P3		1.990	1.493	0.89	1.31	22 x 30
220	SLPX221M315A5P3		0.905	0.679	1.41	2.07	22 x 35	120	SLPX121M385A3P3		1.659	1.244	0.98	1.44	22 x 30
220	SLPX221M315C3P3		0.905	0.679	1.47	2.16	25 x 30	120	SLPX121M385C1P3		1.659	1.244	1.02	1.50	25 x 25
270	SLPX271M315A7P3		0.737	0.553	1.70	2.50	22 x 40	150	SLPX151M385A5P3		1.327	0.995	1.12	1.65	22 x 35
270	SLPX271M315C3P3		0.737	0.553	1.70	2.50	25 x 30	150	SLPX151M385C3P3		1.327	0.995	1.14	1.68	25 x 30
330	SLPX331M315A4P3		0.603	0.452	1.91	2.81	22 x 45	180	SLPX181M385A7P3		1.106	0.830	1.27	1.87	22 x 40
330	SLPX331M315C5P3		0.603	0.452	1.94	2.85	25 x 35	180	SLPX181M385C5P3		1.106	0.830	1.30	1.91	25 x 35
330	SLPX331M315E3P3		0.603	0.452	1.98	2.91	30 x 30	180	SLPX181M385E1P3		1.106	0.830	1.37	2.01	30 x 25
390	SLPX391M315A9P3		0.510	0.383	2.07	3.04	22 x 50	220	SLPX221M385A4P3		0.905	0.679	1.42	2.09	22 x 45
390	SLPX391M315C7P3		0.510	0.383	2.11	3.10	25 x 40	220	SLPX221M385C5P3		0.905	0.679	1.48	2.18	25 x 35
390	SLPX391M315E3P3		0.510	0.383	2.15	3.16	30 x 30	220	SLPX221M385E3P3		0.905	0.679	1.49	2.19	30 x 30
470	SLPX471M315C4P3		0.423	0.317	2.39	3.51	25 x 45	270	SLPX271M385C7P3		0.737	0.553	1.61	2.37	25 x 40
470	SLPX471M315E5P3		0.423	0.317	2.38	3.50	30 x 35	270	SLPX271M385E5P3		0.737	0.553	1.64	2.41	30 x 35
470	SLPX471M315H3P3		0.423	0.317	2.36	3.47	35 x 30	330	SLPX331M385C9P3		0.603	0.452	1.80	2.65	25 x 50
560	SLPX561M315E7P3		0.355	0.266	2.63	3.87	30 x 40	330	SLPX331M385E7P3		0.603	0.452	1.85	2.72	30 x 40
560	SLPX561M315H5P3		0.355	0.266	2.69	3.95	35 x 35	330	SLPX331M385H3P3		0.603	0.452	1.87	2.75	35 x 30
680	SLPX681M315E4P3		0.293	0.220	2.80	4.12	30 x 45	390	SLPX391M385E7P3		0.510	0.383	2.05	3.01	30 x 40
680	SLPX681M315H7P3		0.293	0.220	3.05	4.48	35 x 40								
820	SLPX821M315E9P3		0.243	0.182	3.28	4.82	30 x 50								
820	SLPX821M315H4P3		0.243	0.182	3.45	5.07	35 x 45								

\*Denotes Discontinued Part

# Type SLPX 85 °C Snap-In Aluminum Electrolytic

## Best Value 85 °C Snap-In Type

Cap µF	Catalog Part Number 3000 h @ 85 °C	Max ESR Ω @ 25°C		Max Ripple (A <sub>rms</sub> ) max @ 85°C		Nominal Size (DxL) (mm)
		120 Hz	20kHz	120 Hz	20kHz	
<b>385 Vdc (435 Vdc Surge)</b>						
390	SLPX391M385H5P3	0.510	0.383	2.07	3.04	35 x 35
470	SLPX471M385E9P3	0.423	0.317	2.26	3.32	30 x 50
470	SLPX471M385H7P3	0.423	0.317	2.26	3.32	35 x 40
560	SLPX561M385H4P3	0.355	0.266	2.59	3.81	35 x 45
680	SLPX681M385H9P3	0.293	0.220	2.80	4.12	35 x 50
<b>400 Vdc (450 Vdc Surge)</b>						
82	SLPX820M400A1P3	2.427	1.820	0.84	1.23	22 x 25
100	SLPX101M400A3P3	1.990	1.493	0.99	1.46	22 x 30
120	SLPX121M400C1P3	1.659	1.244	1.13	1.66	25 x 25
120	SLPX121M400A3P3	1.659	1.244	1.09	1.60	22 x 30
150	SLPX151M400A5P3	1.327	0.995	1.24	1.82	22 x 35
150	SLPX151M400C3P3	1.327	0.995	1.27	1.87	25 x 30
180	SLPX181M400A7P3	1.106	0.830	1.41	2.07	22 x 40
180	SLPX181M400C3P3	1.106	0.830	1.44	2.12	25 x 30
180	SLPX181M400E1P3	1.106	0.830	1.52	2.23	30 x 25
220	SLPX221M400A4P3	0.905	0.679	1.58	2.32	22 x 45
220	SLPX221M400C3P3	0.900	0.675	1.54	2.26	25 x 30
220	SLPX221M400C5P3	0.905	0.679	1.64	2.41	25 x 35
220	SLPX221M400E3P3	0.905	0.679	1.66	2.44	30 x 30
270	SLPX271M400C7P3	0.737	0.553	1.79	2.63	25 x 40
270	SLPX271M400E3P3	0.737	0.553	1.82	2.68	30 x 30
330	SLPX331M400E3P3	0.603	0.452	2.05	3.01	30 x 30
330	SLPX331M400H3P3	0.603	0.452	2.05	3.01	35 x 30
330	SLPX331M400C4P3	0.603	0.452	2.00	2.94	25 x 45
390	SLPX391M400E7P3	0.510	0.383	2.26	3.32	30 x 40
390	SLPX391M400H5P3	0.510	0.383	2.28	3.35	35 x 35
470	SLPX471M400E4P3	0.423	0.317	2.51	3.69	30 x 45
470	SLPX471M400H7P3	0.423	0.317	2.54	3.73	35 x 40
560	SLPX561M400H9P3	0.355	0.266	3.13	4.60	35 x 50
560	SLPX561M400H7P3	0.355	0.266	2.85	4.19	35 x 40
680	SLPX681M400H9P3	0.293	0.220	3.10	3.88	35 x 50
820	SLPX821M400H9P3	0.240	0.180	3.40	4.25	35 x 50
<b>420 Vdc (470 Vdc Surge)</b>						
82	SLPX820M420A1P3	2.427	1.820	0.85	1.25	22 x 25
100	SLPX101M420A3P3	1.990	1.493	0.97	1.43	22 x 30
100	SLPX101M420C1P3	1.990	1.493	0.98	1.44	25 x 25
120	SLPX121M420A3P3	1.659	1.244	1.07	1.57	22 x 30
120	SLPX121M420C1P3	1.659	1.244	1.08	1.59	25 x 25
150	SLPX151M420A5P3	1.327	0.995	1.21	1.78	22 x 35
150	SLPX151M420C3P3	1.327	0.995	1.26	1.85	25 x 30
150	SLPX151M420E1P3	1.327	0.995	1.30	1.91	30 x 25
180	SLPX181M420A7P3	1.106	0.830	1.33	1.96	22 x 40

Cap µF	Catalog Part Number 3000 h @ 85 °C	Max ESR Ω @ 25°C		Max Ripple (A <sub>rms</sub> ) max @ 85°C		Nominal Size (DxL) (mm)
		120 Hz	20kHz	120 Hz	20kHz	
<b>420 Vdc (470 Vdc Surge)</b>						
180	SLPX181M420C5P3	1.106	0.830	1.42	2.09	25 x 35
180	SLPX181M420E1P3	1.106	0.830	1.48	2.18	30 x 25
220	SLPX221M420A4P3	0.905	0.679	1.55	2.28	22 x 45
220	SLPX221M420C5P3	0.905	0.679	1.58	2.32	25 x 35
220	SLPX221M420E3P3	0.905	0.679	1.65	2.43	30 x 30
270	SLPX271M420C7P3	0.737	0.553	1.74	2.56	25 x 40
270	SLPX271M420E5P3	0.737	0.553	1.90	2.79	30 x 35
270	SLPX271M420H3P3	0.737	0.553	1.94	2.85	35 x 30
330	SLPX331M420C9P3	0.603	0.452	2.20	3.23	25 x 50
330	SLPX331M420E5P3	0.603	0.452	1.98	2.91	30 x 35
330	SLPX331M420H5P3	0.603	0.452	2.17	3.19	35 x 35
390	SLPX391M420E7P3	0.510	0.383	2.22	3.26	30 x 40
390	SLPX391M420H5P3	0.510	0.383	2.27	3.34	35 x 35
470	SLPX471M420E4P3	0.423	0.317	2.50	3.68	30 x 45
470	SLPX471M420H7P3	0.423	0.317	2.61	3.84	35 x 40
560	SLPX561M420H4P3	0.355	0.266	2.95	4.34	35 x 45
<b>450 Vdc (500 Vdc Surge)</b>						
68	SLPX680M450A1P3	3.903	2.927	0.71	1.04	22 x 25
82	SLPX820M450A1P3	3.236	2.427	0.86	1.26	22 x 25
100	SLPX101M450C1P3	2.654	1.991	0.97	1.43	25 x 25
120	SLPX121M450A3P3	2.212	1.659	1.00	1.47	22 x 30
120	SLPX121M450C3P3	2.212	1.659	1.09	1.60	25 x 30
120	SLPX121M450E1P3	2.212	1.659	1.12	1.65	30 x 25
150	SLPX151M450A7P3	1.769	1.327	1.18	1.73	22 x 40
150	SLPX151M450C3P3	1.769	1.327	1.25	1.84	25 x 30
150	SLPX151M450E1P3	1.769	1.327	1.29	1.90	30 x 25
180	SLPX181M450E1P3	1.470	1.103	1.35	1.98	30 x 25
180	SLPX181M450A4P3	1.474	1.106	1.32	1.94	22 x 45
180	SLPX181M450C5P3	1.474	1.106	1.40	2.06	25 x 35
220	SLPX221M450C7P3	1.206	0.905	1.59	2.34	25 x 40
220	SLPX221M450E3P3	1.206	0.905	1.64	2.41	30 x 30
220	SLPX221M450H3P3	1.206	0.905	1.66	2.44	35 x 30
270	SLPX271M450C4P3	0.983	0.737	1.73	2.54	25 x 45
270	SLPX271M450E3P3	0.983	0.737	1.78	2.62	30 x 30
270	SLPX271M450E5P3	0.983	0.737	1.89	2.78	30 x 35
270	SLPX271M450H3P3	0.983	0.737	1.90	2.79	35 x 30
330	SLPX331M450H5P3	0.804	0.603	2.15	3.16	35 x 35
330	SLPX331M450E7P3	0.804	0.603	2.12	3.12	30 x 40
390	SLPX391M450E4P3	0.680	0.510	2.35	3.45	30 x 45
390	SLPX391M450H7P3	0.680	0.510	2.38	3.50	35 x 40
470	SLPX471M450H9P3*	0.565	0.424	2.80	4.12	35 x 50
470	SLPX471M450H4P3	0.565	0.424	2.68	3.94	35 x 45

\*Denotes Discontinued Part

# Type SLPX 85 °C Snap-In Aluminum Electrolytic

## Best Value 85 °C Snap-In Type



### Typical Performance Curves



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