





**LXA** Series

◆ **STANDARD RATINGS**

μF	V <sub>dc</sub>		10			16			25			35			50			63			80			
	SV		13			20			32			44			63			79			100			
2,200																						A 5	1.9	0.15
2,700																						A 5	1.9	0.15
3,300																						A 5	2.1	0.15
3,900																						A 8	2.7	0.20
4,700																						A 5	2.2	0.25
5,600																						A 8	2.8	0.25
6,800																						A 8	3.2	0.20
8,200																						A 8	3.5	0.20
10,000																						A 8	3.0	0.30
12,000																						A 8	3.3	0.30
15,000																						A 8	3.7	0.25
18,000																						A 10	4.4	0.25
22,000																						C 8	4.8	0.25
27,000																						C 8	4.8	0.25
33,000																						C 10	5.9	0.35
39,000																						C 10	5.9	0.35
47,000																						C 12	6.7	0.30
56,000																						D 12	8.8	0.30
68,000																						D 12	8.8	0.30
82,000																						E 10	9.7	0.30
100,000																						E 12	9.7	0.30
120,000																						E 14	11.5	0.30
150,000																						F 14	12.5	0.35
180,000																						F 14	13.8	0.40
220,000																								
270,000																								
330,000																								
390,000																								

Case code  
 Rated ripple current (Arms) at 105°C, 120Hz  
 Max. tanδ at 20°C, 120Hz

μF	V <sub>dc</sub>		100			160			200			250			
	SV		125			200			250			300			
330													A 5	0.7	0.15
390													A 8	0.8	0.15
470													A 5	0.9	0.15
560													A 8	1.0	0.15
680													A 8	1.0	0.15
820													A 10	1.2	0.15
1,000													A 8	1.1	0.15
1,200													A 8	1.3	0.15
1,500													A 10	1.5	0.15
1,800													A 12	1.7	0.15
2,200													C 8	1.8	0.15
2,700													C 10	2.2	0.15
3,300													C 12	2.6	0.15
3,900													C 10	2.7	0.15
4,700													C 12	2.8	0.15
5,600													D 10	3.3	0.15
6,800													D 12	4.0	0.15
8,200													E 10	4.4	0.15
10,000													E 12	5.2	0.15
12,000													E 14	6.1	0.15
15,000													F 14	7.4	0.15
18,000															
22,000															
27,000															

Max. tanδ at 20°C, 120Hz  
 Rated ripple current (Arms) at 105°C, 120Hz  
 Case code

**◆STANDARD RATINGS**

Case size φDXL (mm)	V <sub>dc</sub>		400		450	
	SV		400		500	
	Items	Capacitance (μF) 20°C, 120Hz	Rated ripple current (Arms) 105°C, 120Hz	Capacitance (μF) 20°C, 120Hz	Rated ripple current (Arms) 105°C, 120Hz	Capacitance (μF) 20°C, 120Hz
50X60	820	3.3	680	3.0	560	2.6
50X85	1,500	5.2	1,200	4.7	1,000	4.0
50X105	2,200	7.0	1,800	6.3	1,200	4.8
50X125	2,700	8.4	2,200	7.5	1,800	6.4
50X145	3,300	9.9	2,700	8.9	2,200	7.6
63.5X85	2,700	8.1	2,200	7.3	1,800	6.2
63.5X105	3,300	9.8	2,700	8.8	2,200	7.5
63.5X125	3,900	11.5	3,300	10.5	2,700	8.9
63.5X145	5,600	14.7	4,700	13.4	3,300	10.6
76X85	3,900	10.8	3,300	9.9	2,700	8.4
76X105					3,300	10.2
76X125	6,800	16.8	4,700	13.9	3,900	11.9
76X145	8,200	19.6	6,800	17.9	4,700	14.0
76X190	10,000	23.0	8,200	20.8	6,800	17.3
89X125	8,200	18.9	6,800	17.2	5,600	14.2
89X145	10,000	22.2	8,200	20.1	6,800	16.7
89X190	15,000	30.6	12,000	27.4	10,000	22.8
89X270	22,000	43.5	18,000	39.4	15,000	32.8

Case size φDXL (mm)	V <sub>dc</sub>		500		525	
	SV		550		575	
	Items	Capacitance (μF) 20°C, 120Hz	Rated ripple current (Arms) 105°C, 120Hz	Capacitance (μF) 20°C, 120Hz	Rated ripple current (Arms) 105°C, 120Hz	Rated ripple current (Arms) 105°C, 120Hz
50X60	470	2.4	390	2.2		
50X85	820	3.6	680	3.3		
50X105	1,000	4.4				
50X125	1,200	5.2	1,000	4.8		
50X145	1,500	6.3				
63.5X85	1,200	5.0				
63.5X105	1,800	6.8	1,500	6.2		
63.5X125			1,800	7.3		
63.5X145	2,700	9.6	2,200	8.6		
76X85						
76X105	2,700	9.2	2,200	8.3		
76X125			2,700	9.9		
76X145	3,900	12.7	3,300	11.7		
76X190			4,700	14.4		
89X125	3,900	11.9				
89X145			4,700	13.9		
89X190	6,800	18.8	5,600	17.1		
89X270	10,000	26.8				



**LXA**Series

**◆RATED RIPPLE CURRENT MULTIPLIERS**

●Frequency Multipliers  
(10 to 250V<sub>dc</sub>)

Frequency (Hz)	50	120	300	1k	10k	50k
<b>10 to 50V<sub>dc</sub></b>	0.95	1.00	1.03	1.05	1.09	1.12
<b>63 to 80V<sub>dc</sub></b>	0.90	1.00	1.06	1.10	1.18	1.22
<b>100 to 250V<sub>dc</sub></b>	0.80	1.00	1.12	1.22	1.30	1.33

(350 to 525V<sub>dc</sub>)

Frequency (Hz)	50	120	300	1k	3k
<b>Coefficient</b>	0.8	1.0	1.2	1.5	1.6

Note : The endurance of capacitors is shortened with internal heating produced by ripple currents at the rate of halving the lifetime with every 5 to 10°C rise. When long life performance is requested in actual use, the rms ripple current has to be reduced. Also, for the LXA series capacitors (350 to 525V<sub>dc</sub> products), using them at operating voltage can extend their lifetime. For the detail, please contact a representative of Nippon Chemi-con.