

ALUMINUM ELECTROLYTIC CAPACITORS (105°C 3000~6000hrs) - LL SERIES (DIP) 105°C 低阻抗電解電容

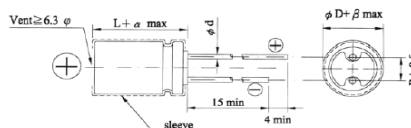
▲ 105°C HIGH RIPPLE CURRENT ,LONG LIFE

▲ 105°C 3000~6000 hours CAPACITORS - D ≤ 6.3=3000hrs, D=8=4000hrs, D=10=5000hrs, D ≥ 13=6000hrs

LEAD SPACING AND DIAMETER

Unit:mm

ψ D	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
ψ d	0.5	0.5	0.6	0.6	0.6	0.75	0.75
α	1.0	1.0	1.0	1.5	1.5	1.5	1.5
β	0.5	0.5	0.5	0.5	0.5	0.5	0.5



▲ STANDARD TYPE DIMENSION

Ripple Current : mA / rms at 120Hz, 105°C

ohm: at 25°C 100kHz

DxL : mm

V.DC μF	6.3V			10V			16V			25V		
	DxL	Ripple	ohm	DxL	Ripple	ohm	DxL	Ripple	ohm	DxL	Ripple	ohm
0.47										5x11	190	0.600
1										5x11	190	0.600
2.2										5x11	190	0.600
3.3										5x11	190	0.600
4.7							5x11	190	0.600	5x11	190	0.600
5.6							5x11	190	0.600	5x11	190	0.600
6.8							5x11	190	0.600	5x11	190	0.600
8.2							5x11	190	0.600	5x11	190	0.600
10							5x11	190	0.600	5x11	190	0.600
12							5x11	190	0.600	5x11	190	0.600
15							5x11	190	0.600	5x11	190	0.600
18							5x11	190	0.600	5x11	190	0.600
22							5x11	190	0.600	5x11	190	0.600
27							5x11	190	0.600	5x11	190	0.600
33							5x11	190	0.600	5x11	190	0.600
39							5x11	190	0.600	5x11	190	0.600
47							5x11	190	0.600	5x11	190	0.600
56							5x11	190	0.600	5x11	190	0.600
68							5x11	190	0.600	5x11	190	0.600
82							5x11	190	0.600	5x11	190	0.600
100							5x11	190	0.600	5x11	190	0.600
120				5x11	190	0.600	5x11	190	0.600	5x11	190	0.600
150	5x11	190	0.600	6.3x11	350	0.220	5x11	190	0.600	5x11	190	0.600
180	6.3x11	350	0.220	6.3x11	350	0.220	5x11	190	0.600	8x11	500	0.130
220	6.3x11	350	0.220	6.3x11	350	0.220	5x11	190	0.600	8x11	500	0.130
270	6.3x11	350	0.220	6.3x11	350	0.220	5x11	190	0.600	8x11	500	0.130
330	6.3x11	350	0.220	6.3x11	350	0.220	8x11	500	0.130	8x16	750	0.087
390	6.3x11	350	0.220	8x11	500	0.130	8x11	500	0.130	8x16	750	0.087
470	8x11	500	0.130	8x11	500	0.130	8x11	500	0.130	8x16	750	0.087
560	8x11	500	0.130	8x11	500	0.130	8x16	750	0.087	8x16	750	0.087
680	8x11	500	0.130	8x11	500	0.130	8x16	750	0.087	8x20	980	0.060
820	8x11	500	0.130	8x16	750	0.087	8x16	750	0.087	8x20	980	0.060
1000	8x16	750	0.087	8x16	750	0.087	8x20	980	0.060	10x21	1300	0.046
1200	8x16	750	0.087	8x16	750	0.087	8x20	980	0.060	10x25	1500	0.042
1500	8x16	750	0.087	8x20	980	0.060	10x21	1300	0.046	10x25	1500	0.042
1800	8x20	980	0.060	8x20	980	0.060	10x21	1300	0.046	10x25	1500	0.042
2200	8x20	980	0.060	10x21	1300	0.046	10x25	1500	0.042	13x21	1800	0.031
2700	10x21	1300	0.046	10x25	1500	0.042	13x21	1800	0.031	13x26	2200	0.027
3300	10x25	1500	0.042	10x25	1500	0.042	13x21	1800	0.031	13x31	2500	0.024
3900	10x25	1500	0.042	13x21	1800	0.031	13x21	1800	0.031	16x32	3250	0.017
4700	13x21	1800	0.031	13x21	1800	0.031	13x26	2200	0.027	16x32	3250	0.017
5600	13x21	1800	0.031	13x26	2200	0.027	13x31	2500	0.024	16x32	3250	0.017
6800	13x26	2200	0.027	13x31	2500	0.024	16x32	3250	0.017	16x35	3700	0.015
8200	13x26	2200	0.027	13x31	2500	0.024	16x32	3250	0.017	18x35	4000	0.014
10000	13x31	2500	0.024	16x32	3250	0.017	16x35	3700	0.015	18x41	4600	0.012
12000	16x32	3250	0.017	16x32	3250	0.017	18x35	4000	0.038			
15000	16x32	3250	0.017	16x35	3700	0.015	18x35	4000	0.038			
18000	16x35	3700	0.015	18x35	4000	0.014	18x41	4600	0.012			
22000	18x35	4000	0.038	18x41	4600	0.012						
27000	18x41	4600	0.012									

V.DC μF	35V			50V			63V			100V		
	DxL	Ripple	ohm	DxL	Ripple	ohm	DxL	Ripple	ohm	DxL	Ripple	ohm
0.47				5x11	190	0.600						
1				5x11	190	0.600						
2.2				5x11	190	0.600						
3.3				5x11	190	0.600						
4.7				5x11	190	0.600						
5.6				5x11	190	0.600				5x11	140	0.95
6.8				5x11	190	0.600				6.3x11	210	0.57
8.2				5x11	190	0.600				6.3x11	210	0.57
10				5x11	190	0.600	5x11	150	0.88	6.3x11	210	0.57
12				5x11	190	0.600	6.3x11	270	0.35	6.3x11	210	0.57
15				5x11	190	0.600	6.3x11	270	0.35	6.3x11	210	0.57
18				5x11	190	0.600	6.3x11	270	0.35	8x11	300	0.36
22				5x11	190	0.600	6.3x11	270	0.35	8x11	300	0.36
27				6.3x11	350	0.220	6.3x11	270	0.35	8x11	300	0.36
33				6.3x11	350	0.220	8x11	385	0.22	8x16	430	0.25
39	5x11	190	0.600	6.3x11	350	0.220	8x11	385	0.22	8x16	430	0.25
47	6.3x11	350	0.220	6.3x11	350	0.220	8x11	385	0.22	8x16	430	0.25
56	6.3x11	350	0.220	6.3x11	350	0.220	8x16	530	0.16	8x16	430	0.25
68	6.3x11	350	0.220	8x11	500	0.130	8x16	530	0.16	8x20	630	0.14
82	6.3x11	350	0.220	8x11	500	0.130	8x16	530	0.16	10x21	940	0.084
100	6.3x11	350	0.220	8x11	500	0.130	8x16	530	0.16	10x21	940	0.084
120	8x11	500	0.130	8x11	500	0.130	8x20	680	0.12	10x21	940	0.084
150	8x11	500	0.130	8x16	750	0.087	8x20	680	0.12	10x25	1110	0.07
180	8x11	500	0.130	8x16	750	0.087	10x21	1150	0.056	13x21	1300	0.06
220	8x16	750	0.087	8x20	980	0.060	10x21	1150	0.056	13x21	1300	0.06
270	8x16	750	0.087	8x20	980	0.060	10x25	1300	0.05	13x26	1500	0.052
330	8x16	750	0.087	10x21	1300	0.046	13x21	1450	0.047	13x31	1760	0.047
390	8x20	980	0.060	10x21	1300	0.046	13x21	1450	0.047	16x32	2350	0.033
470	8x20	980	0.060	10x21	1300	0.046	13x21	1450	0.047	16x32	2350	0.033
560	10x21	1300	0.046	10x25	1500	0.042	13x26	1730	0.04	16x32	2350	0.033
680	10x21	1300	0.046	13x21	1800	0.031	13x31	2230	0.028	16x35	2550	0.03
820	10x25	1500	0.042	13x21	1800	0.031	16x32	2900	0.021	18x35	2950	0.026
1000	13x21	1800	0.031	13x26	2200	0.027	16x32	2900	0.021	18x41	3350	0.023
1200	13x21	1800	0.031	13x31	2500	0.024	16x35	3200	0.019	18x41	3350	0.023
1500	13x21	1800	0.031	16x32	3250	0.017	18x35	3600	0.017			
1800	13x26	2200	0.027	16x32	3250	0.017	18x35	3600	0.017			
2200	13x31	2500	0.024	16x35	3700	0.015	18x41	4000	0.016			
2700	16x32	3250	0.017	16x35	3700	0.015						
3300	16x32	3250	0.017	18x35	4000	0.014						
3900	16x35	3700	0.015	18x41	4600	0.012						
4700	19x35	4000	0.014	18x41	4600	0.012						
5600	19x35	4000	0.014									
6800	18x41	4600	0.012									

Items	Performance									
Operating Temperature Range	- 40°C ~ + 105°C									
Capacitance Tolerance	±20% (at 120Hz, 20°C)									
Leakage Current (at 20°C)	I=0.01CV or 3(u A) whichever is great (after 3 minutes) Where, C=rated capacitance in μ F. V=rated DC working voltage in V.									
Dissipation Factor (Tan δ at 120Hz, 20°C)	Rated Voltage	6.3	10	16	25	35	50	63	100	
	Tan δ (max)	0.22	0.19	0.16	0.14	0.12	0.1	0.08	0.08	
Low Temperature Characteristics(at 120Hz) Impedance Ratio	Impedance ratio shall not exceed the values given in the table below.									
	Rated Voltage	6.3	10	16	25	35	50	63	100	
	Z(- 25°C)/Z(+25°C)	3	3	2	2	2	2	2	2	2
	Z(- 40°C)/Z(+25°C)	6	6	4	4	3	3	3	3	
Load Life Test	After life test with rated ripple current at 105°C conditions stated in the table below, the capacitors shall meet the following requirements									
	Capacitance	Within ± 25% of initial value								
	Dissipation Factor	Less than 200% of specified value								
	Leakage Current	Within specified value								
	Life Time	D ≤ 6.3=3000hrs, D=8=4000hrs, D=10=5000hrs, D ≥ 13=6000hrs								

ORDER: LL 10U 50V 5x11 DIP