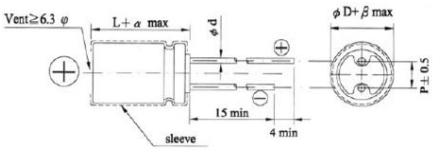
ALUMINUM ELECTROLYTIC CAPACITORS (105℃ LOW ESR) - LE SERIES (DIP)低阻抗電解電容

▲ 105℃ 2000~3000 hours as Low impedance and LOW ESR for high frequency.

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	7.5	7.5
ψ d	0.50	0.50	0.60	0.60	0.6	0.8	0.8
α	1.0	1.0	1.5	1.5	1.5	1.5	1.5
β	0.5	0.5	0.5	0.5	0.5	0.5	0.5



▲ DIMENSION : m/m Ripple Current : mA / rms at 120Hz, 105℃ Impedance: at 25℃ 100k Hz

V.DC / μF	6.3V			10V			16V			25V		
	DxL	mA	ohm	DxL	mA	ohm	DxL	mA	ohm	DxL	mA	ohm
47												
56										5x11	220	0.400
100							5x11	220	0.400	6.3x11	400	0.160
150	5x11	220	0.400	5x11	220	0.400	6.3x11	400	0.160	6.3x11	400	0.160
180	6.3x11	400	0..16	6.3x11	400	0.160	6.3x11	400	0.160	8x11	600	0.090
220	6.3x11	400	0.160	6.3x11	400	0.160	6.3x11	400	0.160	8x11	600	0.090
270	6.3x11	400	16.000	6.3x11	400	0.160	6.3x11	400	0.160	8x11	600	0.090
330	6.3x11	400	0.160	6.3x11	400	0.160	8x11	600	0.090	10x13	840	0.070
390	6.3x11	400	0.160	8x11	600	0.090	8x11	600	0.090	10x13	840	0.070
470	8x11	600	0.090	8x11	600	0.090	8x11	600	0.090	10x13	840	0.070
680	8x11	600	0.090	8x11	600	0.090	10x13	840	0.070	10x16	1150	0.045
820	8x11	600	0.090	10x13	840	0.070	10x13	840	0.070	10x16	1150	0.045
1000	10x13	840	0.070	10x13	840	0.070	10x16	1150	0.045	10x21	1450	0.035
1200	10x13	840	0.070	10x16	1150	0.045	10x16	1150	0.045	10x25	1830	0.026
1500	10x16	1150	0.045	10x16	1150	0.045	10x21	1450	0.035	10x25	1830	0.026
1800	10x21	1450	0.100	10x21	1450	0.035	10x21	1450	0.035	13x21	2000	0.025
2200	10x16	1150	0.045	10x21	1450	0.035	10x25	1830	0.026	13x21	2000	0.025
2700	10x21	1450	0.035	10x25	1830	0.026	13x21	2000	0.025	13x26	2450	0.020
3300	10x25	1830	0.026	13x21	2000	0.025	13x21	2000	0.025	13x31	2700	0.019
4700	13x21	2000	0.025	13x21	2000	0.025	13x26	2450	0.020	16x32	3250	0.017
5600	13x21	2000	0.025	13x26	2450	0.020	13x31	2700	0.019	16x35	3500	0.016
6800	13x26	2450	0.020	13x31	2700	0.019	16x32	3250	0.017	18x32	3700	0.015
8200	13x31	2700	0.019	16x32	3250	0.017	16x32	3250	0.017	18x35	4000	0.014
10000	13x31	2700	0.019	16x32	3250	0.017	16x35	3500	0.016	18x41	4400	0.013
12000	16x32	3250	0.017	16x35	3500	0.016	18x32	3700	0.015			
15000	16x35	3500	0.016	18x32	3700	0.015	18x35	4000	0.014			
18000	18x32	3700	0.015	18x35	4000	0.014	18x41	4400	0.013			
22000	18x35	4000	0.014	18x41	4400	0.013						
27000	18x41	4400	0.013									

▲ DIMENSION : m/m Ripple Current : mA / rms at 120Hz, 105℃ Impedance: at 25℃ 100k Hz

V.DC / uF	35V			50V			63V			100V		
	DxL	mA	ohm	DxL	mA	ohm	DxL	mA	ohm	DxL	mA	ohm
5.6										5x11	140	1.000
10							5x11	150	0.900	6.3x11	225	0.500
15							6.3x11	250	0.400	6.3x11	225	0.500
22				5x11	220	0.400	6.3x11	250	0.400	8x11	305	0.350
27				6.3x11	400	0.160	6.3x11	250	0.400	8x11	305	0.350
33				6.3x11	400	0.160	6.3x11	250	0.400	8x16	435	0.240
39	5x11	220	0.400	6.3x11	400	0.160	8x11	350	0.280	8x16	435	0.240
47	6.3x11	400	0.160	6.3x11	400	0.160	8x11	350	0.280	8x16	435	0.240
56	6.3x11	400	0.160	6.3x11	400	0.160	8x11	350	0.280	8x16	435	0.240
68	6.3x11	400	0.160	8x11	600	0.090	8x11	350	0.280	10x16	550	0.190
82	6.3x11	400	0.160	8x11	600	0.090	8x16	480	0.200	10x16	550	0.190
100	6.3x11	400	0.160	8x11	600	0.090	8x16	480	0.200	10x21	660	0.170
120	8x11	600	0.090	8x11	600	0.090	8x16	480	0.200	10x21	660	0.170
150	8x11	600	0.090	10x13	840	0.070	10x16	600	0.165	10x25	930	0.100
180	8x11	600	0.090	10x13	840	0.070	10x16	600	0.165	13x21	1100	0.080
220	10x13	840	0.070	10x16	1150	0.045	10x21	700	0.150	13x21	1100	0.080
270	10x13	840	0.070	10x16	1150	0.045	10x21	700	0.150	13x26	1360	0.065
330	10x13	840	0.070	10x16	1150	0.045	10x25	980	0.090	13x31	1600	0.055
390	10x16	1150	0.045	10x21	1450	0.035	13x21	1150	0.075	16x24	1650	0.052
470	10x16	1150	0.045	10x21	1450	0.035	13x21	1150	0.075	16x32	2000	0.044
560	10x16	1150	0.045	10x25	1830	0.026	13x21	1150	0.075	16x32	2000	0.044
680	10x21	1450	0.035	13x21	2000	0.025	13x26	1400	0.060	16x35	2440	0.033
820	10x25	1830	0.026	13x21	2000	0.025	13x31	1680	0.050	18x32	2500	0.033
1000	13x21	2000	0.025	13x26	2450	0.020	16x24	1700	0.048	18x35	2800	0.027
1200	13x21	2000	0.025	13x31	2700	0.019	16x32	2130	0.040	18x41	3400	0.022
1500	13x21	2000	0.025	13x31	2700	0.019	16x35	2550	0.030			
1800	13x26	2450	0.020	16x32	3250	0.017	18x32	2630	0.030			
2200	13x31	2700	0.019	16x35	3500	0.016	18x35	3000	0.025			
2700	16x32	3250	0.017	18x32	3700	0.015	18x41	3600	0.020			
3300	16x32	3250	0.017	18x35	4000	0.014						
3900	16x35	3500	0.016	18x41	4400	0.013						
4700	18x32	3700	0.015	18x41	4400	0.013						
5600	18x35	4000	0.014									
6800	18x41	4400	0.013									

▲ SPECIFICATIONS

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
	Z(-40˚C)/Z(+25˚C)	6	6	4	4	3	3	3	3
Load Life Test	Test Time: 1000 Hrs Capacitance Change: Within ±25% of initial value Dissipation Factor: Less than 200% of specified value Leakage Curent: Within specified value Life Time: D≦8=2000hrs , D≧10=3000hrs							

ORDER: LE 100u 16V 5x11 DIP

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