

Snap-in capacitor

Liron®

LKB Series 85°C 5000 Hours



- RoHS requirements.
- 85°C 5000 hours, large size products
- Used for industrial power supplies, inverters, and other industrial products.

Product description

Item	Characteristic		
Operating temperature range	-40°C~+85°C	-25°C~+85°C	
Rated voltage(WV/V)	350V~450V	460V~500V	
Capacitance(CAP/C)	82~1800		
Tolerance(CAP/C)	±20% (25°C, 120Hz)		
Leakage current LC/(25°C, 120Hz)	LC≤0.01CV(UA) Or 5MA, Whichever Is Smaller (25°C, 5Min) C=Nominal capacitance(μF),V=Working voltage(V)		
Dissipation factor DF/tanδ(25°C, 120Hz)	UR(V)	350~500V	
	DF	0.15	
Temperature characteristics (Impedance ratio at 120Hz)	UR(V)	350~450V	460~500
	Z(-25°C/Z(+25°C))	4	
	Z(-40°C/Z(+25°C))	8	
Temperature characteristics (Capacitance ratio at 120Hz)	C(-40°C/C(+25°C))≥0.6		
	C(-25°C/C(+25°C))≥0.7		

	Working lifetime		Standard lifetime	Durability	High temperature storage
Load Time	6000H	>100000H	5000H	5000H	1000H
Leakage current	Within rated specification value		Within rated specification value	Within rated specification value	Within rated specification value
Capacitance change	Within ±30% of initial value		Within ±20% of initial value	Within ±20% of initial value	Within ±20% of initial value
Dissipation factor	Within 300% of rated specification value		Within 200% of rated specification value	Within 200% of rated specification value	Within 200% of rated specification value
Environmental condition: Applied voltage	UR	UR	UR	UR	UR=0
Applied current	IR	1.2×IR	IR	IR=0	IR=0
Application temperature	85°C	40°C	85°C	85°C	85°C

Apply the rated operating voltage UR 30 minutes and test after 24 hours of recovery.

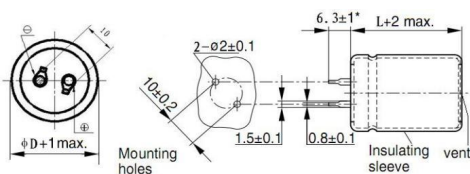
Ripple current correction factor

Temp. °C	40	55	70	85	Freq.	50/60Hz	120Hz	300Hz	1KHz	≥10KHz
Coefficient	2.3	2.1	1.8	1.0	Coefficient	0.80	1.00	1.16	1.30	1.40

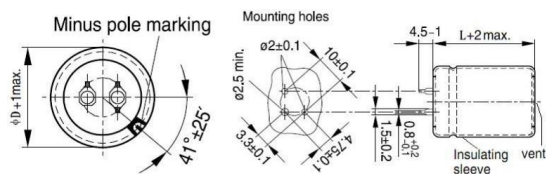
Aluminum electrolytic capacitors age due to self-heating and temperature rise when the ripple current is superimposed, and the use temperature rise will reduce the product life, to keep the product life, please reduce the ripple current during use.

Outline drawing Unit: Mm

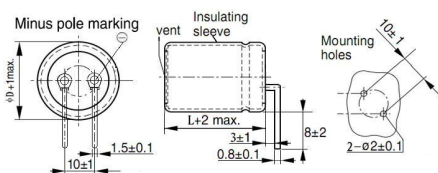
K-type(snap in 2 pins):



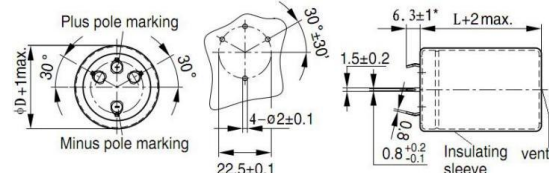
L-type(snap in 3 pins):



C-Type (Long Lead 2 Pin)



M-type(snap in 4 Pins):



■ LKB series:85°C 5000 hours,large size snap-in capacitor.

WV	CAP 25°C, 120Hz	DF 25°C, 120Hz	Max ESR 25°C, 120Hz	ESR (typ.) 25°C, 120Hz	Rated Ripple Current 85°C, 120Hz	Size D×L Φ	CodeP/N
(V.DC)	(μF)	-	(mΩ)	(mΩ)	(Arms)	(mm)	-
350	82	0.15	2329	1941	0.64	22 x 25	LKB2V820MP025***
	100	0.15	1910	1592	0.8	22 x 25	LKB2V101MP025***
	120	0.15	1592	1327	0.82	22 x 30	LKB2V121MP030***
		0.15	1592	1327	0.81	22 x 25	LKB2V121MP025***
	150	0.15	1274	1062	0.94	22 x 35	LKB2V151MP035***
		0.15	1274	1062	0.94	25 x 30	LKB2V151MQ030***
	180	0.15	1062	885	1.1	22 x 40	LKB2V181MP040***
		0.15	1062	885	1.1	30 x 25	LKB2V181MR025***
	220	0.15	869	724	1.2	22 x 45	LKB2V221MP045***
		0.15	869	724	1.2	25 x 35	LKB2V221MQ035***
		0.15	869	724	1.2	30 x 30	LKB2V221MR030***
		0.15	869	724	1.3	35 x 25	LKB2V221MS025***
	270	0.15	708	590	1.4	25 x 45	LKB2V271MQ045***
		0.15	708	590	1.4	30 x 35	LKB2V271MR035***
	330	0.15	580	483	1.6	25 x 50	LKB2V331MQ050***
		0.15	580	483	1.6	35 x 30	LKB2V331MS030***
	390	0.15	491	409	1.7	30 x 40	LKB2V391MR040***
		0.15	491	409	1.8	35 x 35	LKB2V391MS035***
	470	0.15	407	339	2.0	30 x 45	LKB2V471MR045***
		0.15	407	339	2.0	35 x 40	LKB2V471MS040***
560	0.15	342	285	2.3	35 x 45	LKB2V561MS045***	
680	0.15	642	535	2.6	35 x 50	LKB2V681MS050***	
820	0.15	234	195	2.8	35 x 60	LKB2V821MS060***	
400	68	0.15	2809	2341	0.55	22 x 25	LKB2G680MP025***
	82	0.15	2329	1941	0.65	22 x 25	LKB2G820MP025***
	100	0.15	1910	1592	0.7	22 x 30	LKB2G101MP030***
		0.15	1910	1592	0.7	25 x 25	LKB2G101MQ025***
	120	0.15	1592	1327	0.79	22 x 30	LKB2G121MP030***
		0.15	1274	1062	0.9	22 x 35	LKB2G151MP035***
	150	0.15	1274	1062	0.89	25 x 30	LKB2G151MQ030***
		0.15	1062	885	1	22 x 40	LKB2G181MP040***
	180	0.15	1062	885	1	25 x 30	LKB2G181MQ030***
		0.15	869	724	1.1	22 x 50	LKB2G221MP050***
	220	0.15	869	724	1.2	25 x 40	LKB2G221MQ040***
		0.15	708	590	1.3	25 x 45	LKB2G271MQ045***
	270	0.15	708	590	1.5	30 x 30	LKB2G271MR030***
		0.15	580	483	1.6	25 x 45	LKB2G331MQ045***
	330	0.15	580	483	1.7	30 x 35	LKB2G331MR035***
		0.15	491	409	1.8	35 x 30	LKB2G391MS030***
	390	0.15	491	409	1.9	30 x 40	LKB2G391MR040***
		0.15	407	339	2.1	35 x 35	LKB2G471MS035***
	560	0.15	342	285	2.3	35 x 40	LKB2G561MS040***
	680	0.15	282	235	2.7	35 x 45	LKB2G681MS045***
820	0.15	233	194	3.1	35 x 50	LKB2G821MS050***	
1000	0.15	128	107	3.7	35 x 65	LKB2G102MS065***	
1200	0.15	118	98	4.1	35 x 70	LKB2G122MS070***	

WV	CAP 25°C, 120Hz	DF 25°C, 120Hz	Max ESR 25°C, 120Hz	ESR (typ.) 25°C, 120Hz	Rated Ripple Current 85°C, 120Hz	Size D×L Φ	CodeP/N
(V.DC)	(μF)	-	(mΩ)	(mΩ)	(Arms)	(mm)	-
420	100	0.15	1910	1592	0.71	22 x 30	LKB2I101MP030***
		0.15	1910	1592	0.72	25 x 25	LKB2I101MQ025***
	120	0.15	1592	1327	0.81	22 x 35	LKB2I121MP035***
		0.15	1592	1327	0.82	25 x 30	LKB2I121MQ030***
	150	0.15	1274	1062	0.96	25 x 30	LKB2I151MQ030***
		0.15	1062	885	1.1	25 x 35	LKB2I181MQ035***
	180	0.15	1062	885	1.2	30 x 30	LKB2I181MR030***
		0.15	869	724	1.2	25 x 40	LKB2I221MQ040***
	220	0.15	869	724	1.3	30 x 30	LKB2I221MR030***
		0.15	708	590	1.3	25 x 45	LKB2I271MQ045***
	270	0.15	708	590	1.4	30 x 35	LKB2I271MR035***
		0.15	580	483	1.7	30 x 40	LKB2I331MR040***
	390	0.15	491	409	1.8	30 x 45	LKB2I391MR045***
		0.15	491	409	1.9	35 x 35	LKB2I391MS035***
	470	0.15	407	339	2.1	30 x 50	LKB2I471MR050***
		0.15	407	339	2.2	35 x 40	LKB2I471MS040***
	560	0.15	342	285	2.4	35 x 45	LKB2I561MS045***
	680	0.15	282	235	2.8	35 x 50	LKB2I681MS050***
	820	0.15	233	194	3.2	35 x 60	LKB2I821MS060***
	1000	0.15	128	107	4	40 x 60	LKB2I102MB060***
450	68	0.15	2809	2341	0.57	22 x 25	LKB2W680MP025***
	82	0.15	2329	1941	0.68	22 x 30	LKB2W820MP030***
	100	0.15	1910	1592	0.73	25 x 25	LKB2W101MQ025***
		0.15	1592	1327	0.8	22 x 35	LKB2W121MP035***
	120	0.15	1592	1327	0.8	25 x 30	LKB2W121MQ030***
		0.15	1274	1062	0.95	22 x 45	LKB2W151MP045***
	150	0.15	1274	1062	0.95	25 x 35	LKB2W151MQ035***
		0.15	1062	885	1.1	25 x 40	LKB2W181MQ040***
	180	0.15	1062	885	1.1	30 x 30	LKB2W181MR030***
		0.15	869	724	1.2	25 x 45	LKB2W221MQ045***
	220	0.15	869	724	1.3	30 x 35	LKB2W221MR035***
		0.15	708	590	1.5	30 x 40	LKB2W271MR040***
	270	0.15	576	480	1.7	30 x 45	LKB2W331MR045***
	330	0.15	491	409	1.9	35 x 40	LKB2W391MS040***
	390	0.15	491	409	1.9	35 x 40	LKB2W391MS040***
		0.15	407	339	2.2	30 x 50	LKB2W471MR050***
	560	0.15	342	285	2.4	35 x 50	LKB2W561MS050***
	680	0.15	282	235	2.8	35 x 55	LKB2W681MS055***
	820	0.15	233	194	3.2	35 x 60	LKB2W821MS060***
	1000	0.15	128	107	4.1	35 x 80	LKB2W102MS080***
0.15		128	107	4.1	40 x 65	LKB2W102MB065***	
1200	0.15	103	86	4.8	40 x 65	LKB2W122MB065***	
	0.15	83	69	5.5	40 x 90	LKB2W152MB090***	
1500	0.15	83	69	5.6	45 x 80	LKB2W152MV080***	
	0.15	83	69	5.6	50 x 80	LKB2W152MJ080***	
1800	0.15	70	58	6.1	45 x 100	LKB2W182MV100***	
	0.15	70	58	6.1	50 x 90	LKB2W182MJ090***	

WV (V.DC)	CAP 25°C, 120Hz (μF)	DF 25°C, 120Hz	Max ESR 25°C, 120Hz (mΩ)	ESR (typ.) 25°C, 120Hz (mΩ)	Rated Ripple Current 85°C, 120Hz (Arms)	Size D×L (mm)	Φ	CodeP/N
500 2H (550)	390	0.15	269	224	1.5	35 x 50		LKB2H391MS050****
		0.15	269	224	1.5	40 x 45		LKB2H391MB045****
	470	0.15	222	185	1.9	35 x 60		LKB2H471MS060****
		0.15	222	185	1.9	40 x 50		LKB2H471MB050****
		0.15	222	185	1.9	45 x 40		LKB2H471MV040****
	560	0.15	186	155	2.1	35 x 60		LKB2H561MS060****
		0.15	186	155	2.1	40 x 50		LKB2H561MB050****
		0.15	186	155	2.2	45 x 40		LKB2H561MV040****
	680	0.15	154	128	2.4	35 x 80		LKB2H681MS080****
		0.15	154	128	2.4	40 x 70		LKB2H681MB070****
		0.15	154	128	2.4	45 x 55		LKB2H681MV055****
	820	0.15	127	106	2.6	35 x 90		LKB2H821MS090****
		0.15	127	106	2.6	40 x 70		LKB2H821MB070****
	1000	0.15	104	87	3.1	40 x 80		LKB2H102MB080****
		0.15	104	87	3.1	45 x 70		LKB2H102MV070****
	1200	0.15	86	72	3.4	40 x 90		LKB2H122MB090****
		0.15	86	72	3.4	45 x 80		LKB2H122MV080****
		0.15	86	72	3.4	50 x 70		LKB2H122MJ070****
	1500	0.15	68	57	3.8	45 x 100		LKB2H152MV100****
		0.15	68	57	3.8	50 x 90		LKB2H152MJ090****
1800	0.15	58	48	4.1	50 x 105		LKB2H182MJ105****	

**** Indicates terminal type, length, and sleeve color.

If you need to know more about product specifications, sizes and other relevant data, if not fully listed, you can contact through phone, wechat and other tools to understand

The content recorded in the catalog book may be changed without notification. Your company is requested to require us to provide specifications when purchasing and using, and use it as the standard.