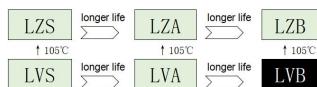


Snap-in capacitor

Liron®

LVB series 85°C 5000 hours

- Rohs requirements.
- 85°C for 5000 hours, anti-vibration product.
- Used in high-vibration equipment such as automotive electronics, generators, electric vehicles, and punching machines.



■ Product description

Item	Characteristic	
Operating temperature range	-40°C ~ +85°C	-25°C ~ +85°C
Rated voltage(W/V)	350V ~ 450V	460V ~ 500V
Capacitance(CAP/C)	68 ~ 1800	
Tolerance(CAP/C)	±20% (25°C, 120Hz)	
Leakage current LC/I(25°C, 120Hz)	LC≤0.01CV(uA) or 1.5mA, take the smaller (25°C, 5 minutes) C=Nominal capacitance(μF), V=Working voltage(V)	
Dissipation factor DF/tanδ(25°C, 120Hz)	UR(V) DF	350 ~ 500V 0.15
Temperature characteristics (Impedance ratio at 120Hz)	UR(V) Z(-25°C)/Z(+25°C) Z(-40°C)/Z(+25°C)	350 ~ 450V 460 ~ 500 4 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	
Leakage current LC/I(25°C, 120Hz)	Within the rated specification value.		Within the rated specification value.	Within the rated specification value.	Within the 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	Apply rated working voltage for 30 minutes, and test after recovery for 24 hours:
Applied current	IR	1.2×IR	IR	IR=0	IR=0	
Application temperature	85°C	40°C	85°C	85°C	85°C	85°C

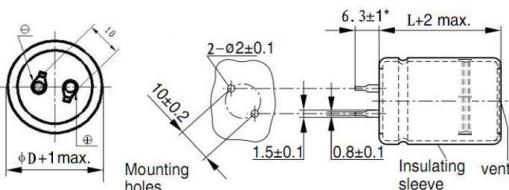
■ Ripple current correction factor

°C Temperature °C	40	55	70	85	Frequency	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

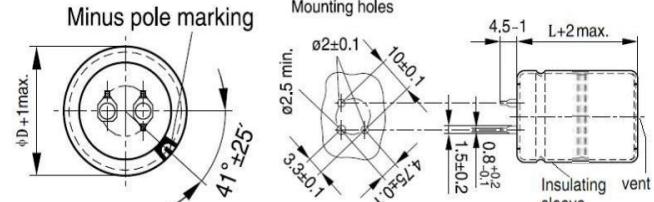
Aluminum electrolytic capacitors age as they heat up and temperature rises when ripple current is superimposed. Using at higher temperatures will reduce product life. To maintain product life, please reduce ripple current during use.

■ Drawing unit: mm

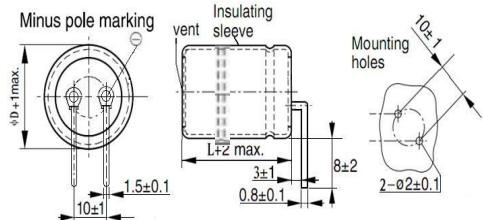
K-type (2 pins)



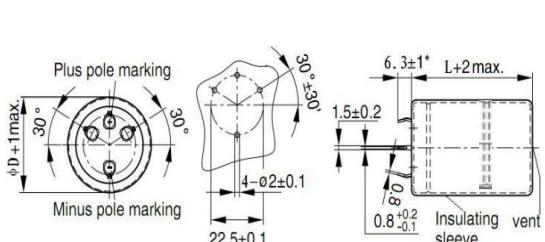
L-type (3 pins):



C-type (long pin-2 pins) :



M-type (4 pins) :



Note: If the snap-in capacitor height is ≤45mm, than add 1 groove;

■ LVB series: 85°C 5000 hours anti-vibration 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 ΦD×L	Code P/N	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 ΦD×L	Code P/N
(V.DC)	(μF)	-	(mΩ)	(mΩ)	(Arms)	(mm)	-	(V.DC)	(μF)	-	(mΩ)	(mΩ)	(Arms)	(mm)	-
2V(400)	82	0.15	2329	1941	0.64	22 × 25	LVB2V820MP025***	2I (470)	100	0.15	1910	1592	0.71	22 × 30	LVB2I101MP030***
	100	0.15	1910	1592	0.8	22 × 25	LVB2V101MP025***		100	0.15	1910	1592	0.72	25 × 25	LVB2I101MQ025***
	120	0.15	1592	1327	0.82	22 × 30	LVB2V121MP030***		120	0.15	1592	1327	0.81	22 × 35	LVB2I121MP035***
		0.15	1592	1327	0.81	22 × 25	LVB2V121MP025***		120	0.15	1592	1327	0.82	25 × 30	LVB2I121MQ030***
	150	0.15	1274	1062	0.94	22 × 35	LVB2V151MP035***		150	0.15	1274	1062	0.96	25 × 30	LVB2I151MQ030***
		0.15	1274	1062	0.94	25 × 30	LVB2V151MQ030***		180	0.15	1062	885	1.1	25 × 35	LVB2I181MQ035***
	180	0.15	1062	885	1.1	22 × 40	LVB2V181MP040***		180	0.15	1062	885	1.2	30 × 30	LVB2I181MR030***
		0.15	1062	885	1.1	30 × 25	LVB2V181MR025***		220	0.15	869	724	1.2	25 × 40	LVB2I221MQ040***
	220	0.15	869	724	1.2	22 × 45	LVB2V221MP045***		220	0.15	869	724	1.3	30 × 30	LVB2I221MR030***
		0.15	869	724	1.2	25 × 35	LVB2V221MQ035***		270	0.15	708	590	1.3	25 × 45	LVB2I271MQ045***
		0.15	869	724	1.2	30 × 30	LVB2V221MR030***		270	0.15	708	590	1.4	30 × 35	LVB2I271MR035***
		0.15	869	724	1.3	35 × 25	LVB2V221MS025***		330	0.15	580	483	1.7	30 × 40	LVB2I331MR040***
	270	0.15	708	590	1.4	25 × 45	LVB2V271MQ045***		390	0.15	491	409	1.8	30 × 45	LVB2I391MR045***
		0.15	708	590	1.4	30 × 35	LVB2V271MR035***		390	0.15	491	409	1.9	35 × 35	LVB2I391MS035***
	330	0.15	580	483	1.6	25 × 50	LVB2V331MQ050***		470	0.15	407	339	2.1	30 × 50	LVB2I471MR050***
		0.15	580	483	1.6	35 × 30	LVB2V331MS030***		470	0.15	407	339	2.2	35 × 40	LVB2I471MS040***
	390	0.15	491	409	1.7	30 × 40	LVB2V391MR040***		560	0.15	342	285	2.4	35 × 45	LVB2I561MS045***
		0.15	491	409	1.8	35 × 35	LVB2V391MS035***		680	0.15	282	235	2.8	35 × 50	LVB2I681MS050***
	470	0.15	407	339	2.0	30 × 45	LVB2V471MR045***		820	0.15	233	194	3.2	35 × 60	LVB2I821MS060***
		0.15	407	339	2.0	35 × 40	LVB2V331MS040***		1000	0.15	128	107	4	40 × 60	LVB2I102MB060***
	560	0.15	342	285	2.3	35 × 45	LVB2V561MS045***	2W (500)	68	0.15	2809	2341	0.57	22 × 25	LVB2W680MP025***
	680	0.15	642	535	2.6	35 × 50	LVB2V681MS050***		82	0.15	2329	1941	0.68	22 × 30	LVB2W820MP030***
	820	0.15	234	195	2.8	35 × 60	LVB2V821MS060***		100	0.15	1910	1592	0.73	25 × 25	LVB2W101MQ025***
2G(450)	68	0.15	2809	2341	0.55	22 × 25	LVB2G680MP025***		120	0.15	1592	1327	0.8	22 × 35	LVB2W121MP035***
	82	0.15	2329	1941	0.65	22 × 25	LVB2G820MP025***		120	0.15	1592	1327	0.8	25 × 30	LVB2W121MQ030***
	100	0.15	1910	1592	0.7	22 × 30	LVB2G101MP030***		150	0.15	1274	1062	0.95	22 × 45	LVB2W151MP045***
		0.15	1910	1592	0.7	25 × 25	LVB2G101MQ025***		150	0.15	1274	1062	0.95	25 × 35	LVB2W151MQ035***
	120	0.15	1592	1327	0.79	22 × 30	LVB2G121MP030***		180	0.15	1062	885	1.1	25 × 40	LVB2W181MQ040***
	150	0.15	1274	1062	0.9	22 × 35	LVB2G151MP035***		180	0.15	1062	885	1.1	30 × 30	LVB2W181MR030***
		0.15	1274	1062	0.89	25 × 30	LVB2G121MQ030***		220	0.15	869	724	1.2	25 × 45	LVB2W221MQ045***
	180	0.15	1062	885	1	22 × 40	LVB2G181MP040***		220	0.15	869	724	1.3	30 × 35	LVB2W221MR035***
		0.15	1062	885	1	25 × 30	LVB2G181MQ030***		270	0.15	708	590	1.5	30 × 40	LVB2W271MR040***
	220	0.15	869	724	1.1	22 × 50	LVB2G221MP050***		330	0.15	576	480	1.7	30 × 45	LVB2W331MR045***
		0.15	869	724	1.2	25 × 40	LVB2G221MQ040***		390	0.15	491	409	1.9	35 × 40	LVB2W391MS040***
	270	0.15	708	590	1.3	25 × 45	LVB2G271MQ045***		470	0.15	407	339	2.2	30 × 50	LVB2W471MR050***
		0.15	708	590	1.5	30 × 30	LVB2G271MR030***		560	0.15	342	285	2.4	35 × 50	LVB2W561MS050***
	330	0.15	580	483	1.6	25 × 45	LVB2G331MQ045***		680	0.15	282	235	2.8	35 × 55	LVB2W681MS055***
		0.15	580	483	1.7	30 × 35	LVB2G331MR035***		820	0.15	233	194	3.2	35 × 60	LVB2W821MS060***
	390	0.15	491	409	1.8	35 × 30	LVB2G391MS030***		1000	0.15	128	107	4.1	35 × 80	LVB2W102MS080***
		0.15	491	409	1.9	30 × 40	LVB2G391MR040***		1000	0.15	128	107	4.1	40 × 65	LVB2W102MB065***
	470	0.15	407	339	2.1	35 × 35	LVB2G471MS035***		1200	0.15	103	86	4.8	40 × 65	LVB2W122MB065***
	560	0.15	342	285	2.3	35 × 40	LVB2G561MS040***		1500	0.15	83	69	5.5	40 × 90	LVB2W152MB090***
	680	0.15	282	235	2.7	35 × 45	LVB2G681MS045***		1500	0.15	83	69	5.6	45 × 80	LVB2W152MV080***
	820	0.15	233	194	3.1	35 × 50	LVB2G821MS050***		1500	0.15	83	69	5.6	50 × 80	LVB2W152MJ080***
	1000	0.15	128	107	3.7	35 × 65	LVB2G102MS065***		1800	0.15	70	58	6.1	45 × 100	LVB2W182MV100***
	1200	0.15	118	98	4.1	35 × 70	LVB2G122MS070***		1800	0.15	70	58	6.1	50 × 90	LVB2W182MJ090***

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 ΦD×L (mm)	Code P/N
2H (550)	390	0.15	269	224	1.5	35 × 50	LVB2H391MS050***
		0.15	269	224	1.5	40 × 45	LVB2H391MB045***
	470	0.15	222	185	1.9	35 × 60	LVB2H471MS060***
		0.15	222	185	1.9	40 × 50	LVB2H471MB050***
		0.15	222	185	1.9	45 × 40	LVB2H471MV040***
	560	0.15	186	155	2.1	35 × 60	LVB2H561MS060***
		0.15	186	155	2.1	40 × 50	LVB2H561MB050***
		0.15	186	155	2.2	45 × 40	LVB2H561MV040***
	680	0.15	154	128	2.4	35 × 80	LVB2H681MS080***
		0.15	154	128	2.4	40 × 70	LVB2H681MB070***
		0.15	154	128	2.4	45 × 55	LVB2H681MV055***
	820	0.15	127	106	2.6	35 × 90	LVB2H821MS090***
		0.15	127	106	2.6	40 × 70	LVB2H821MB070***
	1000	0.15	104	87	3.1	40 × 80	LVB2H102MB080***
		0.15	104	87	3.1	45 × 70	LVB2H102MV070***
	1200	0.15	86	72	3.4	40 × 90	LVB2H122MB090***
		0.15	86	72	3.4	45 × 80	LVB2H122MV080***
		0.15	86	72	3.4	50 × 70	LVB2H122MJ070***
	1500	0.15	68	57	3.8	45 × 100	LVB2H152MV100***
		0.15	68	57	3.8	50 × 90	LVB2H152MJ090***
	1800	0.15	58	48	4.1	50 × 105	LVB2H182MJ105***

**** 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.

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