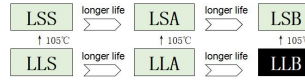


Snap in capacitor



LLB Series 85°C 5000 Hours



- Rohs requirements.
- 85°C 5000 hours, miniaturization series.
- Used for 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)	10V~450V				460V~500V			
Capacitance(CAP/C)	390~47000							
Tolerance(CAP/C)	±20% (25°C, 120Hz)							
Leakage current LC/(25°C, 120Hz)	LC≤0.01CV(UA) Or 1.5MA, Whichever is smaller (25°C, 5Min) C=Nominal capacitance(μF),V=Working voltage(V)							
Dissipation factor DF/tanδ(25°C, 120Hz)	UR(V)	10	16	25	35	50	63~100	160~500
	DF	0.80	0.60	0.50	0.40	0.30	0.20	0.15
Temperature characteristics (Impedance ratio at 120Hz)	UR(V)	10	16~35	50~100	160~200	250~450	460~500	
	Z(-25°C/Z(+25°C)	5	4	3		4		
	Z(-40°C/Z(+25°C)	18	15	10	6	8	0	
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.

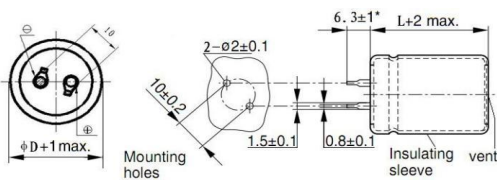
Ripple current correction factor

Temp.°C	UR(V)				Freq.	UR(V)				
	40	55	70	85		50/60Hz	120Hz	1KHz	10KHz	≥50KHz
<160	2.1	1.8	1.5	1.0	≤50	0.88	1.00	1.15	1.15	1.15
≥160	1.7	1.5	1.3	1.0	63-100	0.80	1.00	1.30	1.45	1.50
					≥160	0.80	1.00	1.30	1.40	1.42

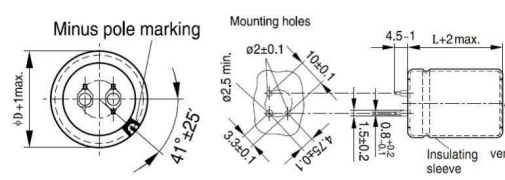
Aluminum electrolytic capacitors age due to self-heating and temperature rise when the ripple current is superimposed, and the use temperature rise will reduce the product life, to keep the product life, please reduce the ripple current during use.

Outline drawing Unit: Mm

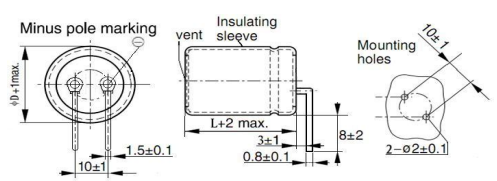
K type(snap in 2 pins):



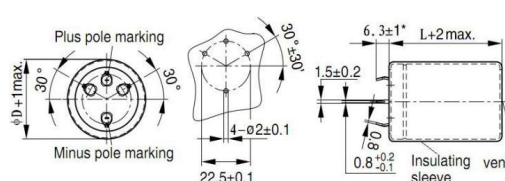
L type(snap in 3 pins):



C type(long lead 2 pins):



M type(snap in 4 pins):



■ LLB series 85°C 5000 hours,miniaturization 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)	-	
63 1J (79)	1500	0.2	177	124	1.6	22 x 25	LLB1J152MP025***	100 2A (125)	680	0.2	390	273	1.1	22 x 25	LLB2A681MP025***	
	1800	0.2	147	103	1.8	22 x 30	LLB1J182MP030***		820	0.2	324	227	1.2	22 x 30	LLB2A821MP030***	
	2200	0.2	121	84	2.0	22 x 35	LLB1J222MP035***		1200	1000	0.2	265	186	1.4	25 x 30	LLB2A102MQ030***
		0.2	121	84	2.0	25 x 30	LLB1J222MQ030***			0.2	221	155	1.6	22 x 35	LLB2A122MP035***	
	2700	0.2	98	69	2.2	22 x 40	LLB1J272MP040***		1500	0.2	221	155	1.6	25 x 30	LLB2A122MQ030***	
		0.2	98	69	2.3	25 x 35	LLB1J272MQ035***			0.2	177	124	1.8	22 x 45	LLB2A152MP045***	
	3300	0.2	80	56	2.3	22 x 45	LLB1J332MP045***		1800	0.2	177	124	1.7	25 x 35	LLB2A152MQ035***	
		0.2	80	56	2.3	25 x 35	LLB1J332MQ035***			0.2	177	124	1.8	30 x 25	LLB2A152MR025***	
		0.2	80	56	2.3	30 x 30	LLB1J332MR030***			0.2	147	103	2.1	22 x 50	LLB2A182MP050***	
	3900	0.2	68	48	2.5	22 x 50	LLB1J392MP050***		2200	0.2	147	103	2.0	25 x 40	LLB2A182MQ040***	
		0.2	68	48	2.6	25 x 40	LLB1J392MQ040***			0.2	147	103	2.1	30 x 30	LLB2A182MR030***	
		0.2	68	48	2.6	30 x 30	LLB1J392MR030***			0.2	147	103	2.2	35 x 25	LLB2A182MS025***	
		0.2	68	48	2.7	35 x 25	LLB1J392MS025***			0.2	121	84	2.2	25 x 45	LLB2A222MQ045***	
	4700	0.2	57	40	2.9	30 x 35	LLB1J472MR035***		2700	0.2	121	84	2.3	30 x 35	LLB2A222MR035***	
		0.2	47	33	3.1	25 x 50	LLB1J562MQ050***			0.2	121	84	2.5	35 x 30	LLB2A222MS030***	
	5600	0.2	47	33	3.2	30 x 40	LLB1J562MR040***		3300	0.2	98	69	2.6	25 x 55	LLB2A272MQ055***	
		0.2	47	33	3.3	35 x 30	LLB1J562MS030***			0.2	98	69	2.7	30 x 40	LLB2A272MR040***	
		0.2	39	27	3.6	30 x 45	LLB1J682MR045***			0.2	80	56	3.0	30 x 45	LLB2A332MR045***	
	6800	0.2	39	27	3.7	35 x 35	LLB1J682MS035***		3900	0.2	80	56	3.1	35 x 35	LLB2A332MS035***	
		0.2	32	23	3.7	30 x 50	LLB1J822MR050***			0.2	68	48	3.4	30 x 50	LLB2A392MR050***	
8200	0.2	32	23	3.8	35 x 40	LLB1J822MS040***	4700	0.2	68	48	3.4	35 x 40	LLB2A392MS040***			
	0.2	27	19	4.3	35 x 45	LLB1J103MS045***		0.2	57	40	4.0	35 x 45	LLB2A472MS045***			
12000	0.2	22	16	4.8	35 x 50	LLB1J123MS050***	220	0.15	905	663	1.0	22 x 25	LLB2C221MP025***			
80 1K (100)	1000	0.2	265	186	1.3	22 x 25	LLB1K102MP025***	160 2C (200)	270	0.15	737	516	1.1	22 x 25	LLB2C271MP025***	
	1200	0.2	221	155	1.5	22 x 30	LLB1K122MP030***		330	0.15	603	422	1.3	22 x 25	LLB2C331MP025***	
	1500	0.2	177	124	1.7	25 x 25	LLB1K152MQ025***		390	0.15	510	357	1.5	22 x 30	LLB2C391MP030***	
	1800	0.2	147	103	1.9	22 x 35	LLB1K182MP035***			0.15	510	357	1.5	25 x 25	LLB2C391MQ025***	
		0.2	147	103	1.9	25 x 30	LLB1K182MQ030***		470	0.15	424	297	1.7	25 x 30	LLB2C471MQ030***	
	2200	0.2	121	84	2.1	22 x 40	LLB1K222MP040***			0.15	355	249	1.9	22 x 40	LLB2C561MP040***	
		0.2	121	84	2.2	25 x 35	LLB1K222MQ035***			0.15	355	249	1.9	25 x 30	LLB2C561MQ030***	
		0.2	121	84	2.2	30 x 25	LLB1K222MR025***		560	0.15	355	249	2.0	30 x 25	LLB2C561MR025***	
	2700	0.2	98	69	2.5	22 x 50	LLB1K272MP050***			680	0.15	293	205	2.1	22 x 45	LLB2C681MP045***
		0.2	98	69	2.5	25 x 40	LLB1K272MQ040***				0.15	293	205	2.2	25 x 35	LLB2C681MQ035***
		0.2	98	69	2.5	30 x 30	LLB1K272MR030***		820		0.15	243	170	2.5	22 x 50	LLB2C821MP050***
	3300	0.2	80	56	2.8	25 x 45	LLB1K332MQ045***			0.15	243	170	2.4	25 x 40	LLB2C821MQ040***	
		0.2	80	56	2.8	30 x 35	LLB1K332MR035***			0.15	243	170	2.5	30 x 30	LLB2C821MR030***	
	3900	0.2	68	48	3.1	25 x 50	LLB1K392MQ050***			0.15	243	170	2.4	35 x 25	LLB2C821MS025***	
		0.2	68	48	3.2	30 x 40	LLB1K392MR040***		1000	0.15	199	139	2.7	25 x 45	LLB2C102MQ045***	
		0.2	68	48	3.2	35 x 30	LLB1K392MS030***			0.15	199	139	2.8	30 x 35	LLB2C102MR035***	
	4700	0.2	57	40	3.6	30 x 45	LLB1K472MR045***			0.15	199	139	2.7	35 x 30	LLB2C102MS030***	
		0.2	47	33	3.8	30 x 50	LLB1K562MR050***		1200	0.15	166	116	3.1	25 x 50	LLB2C122MQ050***	
	5600	0.2	47	33	3.8	35 x 40	LLB1K562MS040***			0.15	166	116	3.2	30 x 40	LLB2C122MR040***	
		0.2	39	27	4.1	35 x 50	LLB1K682MS050***			0.15	166	116	3.0	35 x 35	LLB2C122MS035***	
8200	0.2	34	23	4.4	35 x 60	LLB1K822MS060***	1500	0.15	133	93	3.7	30 x 45	LLB2C152MR045***			
	0.2	31	20	4.9	35 x 70	LLB1K103MS070***		0.15	133	93	3.5	35 x 40	LLB2C152MS040***			
10000	0.2	31	20	4.9	35 x 70	LLB1K103MS070***	1800	0.15	111	77	3.9	35 x 45	LLB2C182MS045***			
								2200	0.15	91	63	4.5	35 x 50	LLB2C222MS050***		

■ LLB series 85°C 5000 hours,miniaturization 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
(V.DC)	(μF)	-	(mΩ)	(mΩ)	(Arms)	(mm)	-
500 2H (550)	100	0.15	1990	1592	0.9	25 x 30	LLB2H101MQ030***
		0.15	1990	1592	0.9	30 x 25	LLB2H101MR025***
	120	0.15	1658	1327	1.0	25 x 35	LLB2H121MQ035***
		0.15	1658	1327	1.0	30 x 30	LLB2H121MR030***
		0.15	1658	1327	1.0	35 x 25	LLB2H121MS025***
	150	0.15	1327	1062	1.2	25 x 40	LLB2H151MQ040***
		0.15	1327	1062	1.2	30 x 35	LLB2H151MR035***
	180	0.15	1106	885	1.4	30 x 40	LLB2H181MR040***
		0.15	1106	885	1.3	35 x 30	LLB2H181MS030***
	220	0.15	905	724	1.6	30 x 45	LLB2H221MR045***
		0.15	905	724	1.5	35 x 35	LLB2H221MS035***
	270	0.15	737	590	1.8	30 x 50	LLB2H271MR050***
		0.15	737	590	1.7	35 x 40	LLB2H271MS040***
	330	0.15	603	483	2.0	30 x 50	LLB2H331MR050***
		0.15	603	483	1.9	35 x 45	LLB2H331MS045***
	390	0.15	511	409	2.3	30 x 70	LLB2H391MR070***
		0.15	511	409	2.3	35 x 50	LLB2H391MS050***
	470	0.15	424	339	2.5	30 x 80	LLB2H471MR080***
		0.15	424	339	2.5	35 x 60	LLB2H471MS060***
	560	0.15	356	285	2.8	35 x 65	LLB2H561MS065***
		0.15	356	285	2.8	40 x 50	LLB2H561MB050***
	680	0.15	293	235	3.2	35 x 70	LLB2H681MS070***
		0.15	293	235	3.2	40 x 60	LLB2H681MB060***
	820	0.15	260	190	4.1	35 x 80	LLB2H821MS080***
		0.15	260	190	4.1	40 x 70	LLB2H821MB070***
	1000	0.15	220	160	4.5	35 x 100	LLB2H102MS100***
		0.15	220	160	4.5	40 x 80	LLB2H102MB080***

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

Your company needs to know more about the product specifications, dimensions and other related data. If not all are listed, you can contact us by phone, WeChat or 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.