

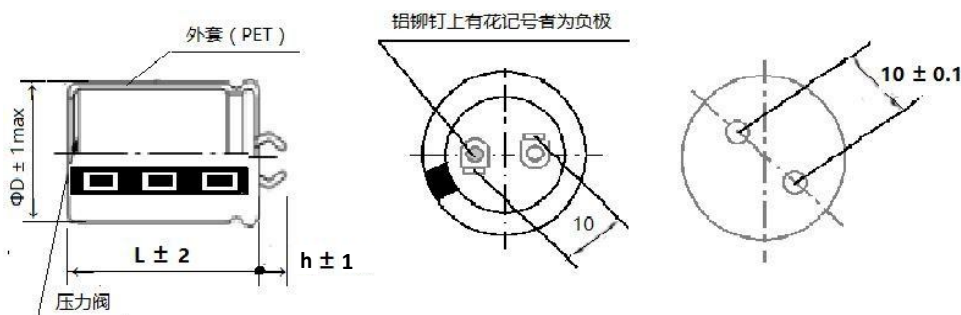
LH

- High Ripple Current
- Endurance 2000 hours at 105°C
- Comply with the RoHS

SPECIFICATIONS

Category Temperature	-40+105°C					-25+105°C					
Voltage Range	10-100V.DC					160-450V.DC					
Capacitance Tolerance	±20%(120Hz,20°C)										
Leakage Current	$I \leq 3\sqrt{CV} \mu A$ (2 minutes)										
Dissipation Factor (120hz、20°C)	WV	10	16	25	35	50	63	80	100	160-400	450
	tgδ	0.55	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.20
Stability at Low Temperature (120Hz)	WV	10-100	160-250	300-400	450						
	$Z_{-25^{\circ}C}/Z_{+20^{\circ}C}$	4	3	5	8						
	$Z_{-40^{\circ}C}/Z_{+20^{\circ}C}$	15	/	/	/						
Endurance	In an environment of +105°C, apply the operating voltage with ripple current for 2000 hours, and after 16 hours of recovery, the product performance meets the following requirements:										
	Capacitance Change	Within ±20%of initial measured									
	Dissipation Factor	≤200% of initial specified value									
	Leakage Current	≤initial specified value									
Shelf Life	In an environment of +105°C, apply the operating voltage with ripple current for 1000 hours, and after 16 hours of recovery, the product performance meets the following requirements:										
	Capacitance	Within ±20%of initial measured									
	Dissipation Factor	≤200% of initial specified value									
	Leakage Current	≤200% of initial specified value									

DRAWING & DIMENSIONS (Unit: mm)



FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Voltage	Frequency(Hz)				
	Coefficient	50	120	1K	≥10K
10-100V		0.90	1.00	1.15	1.25
160-250V		0.80	1.00	1.25	1.47
315-450V		0.80	1.00	1.30	1.47

LH

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	10V (1A)			16V (1C)		
	Dimensions (mm)	Ripple Current (A)	Part Number	Dimensions (mm)	Ripple Current (A)	Part Number
6800				22X25	2.02	LH1C682M2225GBH00000
8200				22X25	2.20	LH1C822M2225GBH00000
10000	22X25	2.20	LH1A103M2225GBH00000	22X30	2.79	LH1C103M2230GBH00000
12000	22X30	2.34	LH1A123M2230GBH00000	25X25	2.74	LH1C123M2525GBH00000
15000	22X30	2.76	LH1A153M2230GBH00000	22X40	3.24	LH1C153M2240GBH00000
	25X25	2.78	LH1A153M2525GBH00000	25X30	3.11	LH1C153M2530GBH00000
18000	22X35	2.94	LH1A183M2235GBH00000	22X45	3.51	LH1C183M2245GBH00000
	25X30	2.99	LH1A183M2530GBH00000	25X35	3.41	LH1C183M2535GBH00000
22000	22X40	3.12	LH1A223M2240GBH00000	25X40	3.80	LH1C223M2540GBH00000
	25X35	3.19	LH1A223M2535GBH00000	30X35	3.95	LH1C223M3035GBH00000
33000	25X45	3.72	LH1A333M2545GBH00000	30X45	4.70	LH1C333M3045GBH00000
39000	25X45	4.10	LH1A393M2545GBH00000	30X50	5.14	LH1C393M3050GBH00000
47000	30X45	4.38	LH1A473M3045GBH00000	35X40	5.76	LH1C473M3540GBH00000
56000	30X50	4.64	LH1A563M3050GBH00000	35X45	6.40	LH1C563M3545GBH00000

	25V (1E)			35V (1V)		
	Dimensions (mm)	Ripple Current (A)	Part Number	Dimensions (mm)	Ripple Current (A)	Part Number
3300				22X30	1.84	LH1V332M2230GBH00000
3900				22X30	2.02	LH1V392M2230GBH00000
4700	22X25	1.92	LH1E472M2225GBH00000	25X30	2.23	LH1V472M2530GBH00000
5600	22X30	2.25	LH1E562M2230GBH00000	22X40	2.40	LH1V562M2240GBH00000
6800	25X25	2.42	LH1E682M2525GBH00000	30X30	2.61	LH1V682M3030GBH00000
8200	25X30	2.74	LH1E822M2530GBH00000	30X30	2.78	LH1V822M3030GBH00000
10000	22X40	3.00	LH1E103M2240GBH00000	25X45	3.20	LH1V103M2545GBH00000
12000	30X30	3.22	LH1E123M3030GBH00000	35X30	3.40	LH1V123M3530GBH00000
15000	25X45	3.60	LH1E153M2545GBH00000	30X45	3.90	LH1V153M3045GBH00000
	30X35	3.55	LH1E153M3035GBH00000	35X35	3.84	LH1V153M3535GBH00000
18000	25X50	3.90	LH1E183M2550GBH00000	30X50	4.47	LH1V183M3050GBH00000
	30X40	3.90	LH1E183M3040GBH00000	35X40	4.44	LH1V183M3540GBH00000
22000	30X45	4.30	LH1E223M3045GBH00000	35X50	5.24	LH1V223M3550GBH00000
	35X35	4.23	LH1E223M3535GBH00000			
33000	35X50	5.54	LH1E333M3550GBH00000			

Rated ripple current: (105°C, 120Hz)

LH

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	50V (1H)			63V (1J)		
	Dimensions (mm)	Ripple Current (A)	Part Number	Dimensions (mm)	Ripple Current (A)	Part Number
1200				22X25	0.98	LH1J122M2225GBH00000
1500	22X25	1.10	LH1H152M2225GBH00000	25X25	1.31	LH1J152M2525GBH00000
1800	22X25	1.54	LH1H182M2225GBH00000	25X25	1.71	LH1J182M2525GBH00000
2200	22X30	1.65	LH1H222M2230GBH00000	22X35	1.87	LH1J222M2235GBH00000
	25X25	1.66	LH1H222M2525GBH00000	30X25	1.95	LH1J222M3025GBH00000
2700	22X30	1.82	LH1H272M2230GBH00000	22X40	2.20	LH1J272M2240GBH00000
	25X25	1.83	LH1H272M2525GBH00000	30X25	2.17	LH1J272M3025GBH00000
3300	22X35	2.00	LH1H332M2235GBH00000	22X45	2.48	LH1J332M2245GBH00000
	25X30	2.03	LH1H332M2530GBH00000	30X30	2.49	LH1J332M3030GBH00000
3900	22X40	2.23	LH1H392M2240GBH00000	30X35	2.66	LH1J392M3035GBH00000
4700	22X45	2.50	LH1H472M2245GBH00000	30X35	2.83	LH1J472M3035GBH00000
5600	22X50	2.80	LH1H562M2250GBH00000	30X40	3.22	LH1J562M3040GBH00000
6800	25X50	3.26	LH1H682M2550GBH00000	30X50	3.84	LH1J682M3050GBH00000
8200	30X45	3.58	LH1H822M3045GBH00000	35X40	4.43	LH1J822M3540GBH00000
10000	35X40	4.08	LH1H103M3540GBH00000	35X50	5.11	LH1J103M3550GBH00000
12000	35X45	4.56	LH1H123M3545GBH00000			
15000	35X50	4.80	LH1H153M3550GBH00000			

	80V (1K)			100V (2A)		
	Dimensions (mm)	Ripple Current (A)	Part Number	Dimensions (mm)	Ripple Current (A)	Part Number
560				22X25	0.96	LH2A561M2225GBH00000
680				22X30	1.02	LH2A681M2230GBH00000
820	22X25	1.02	LH1K821M2225GBH00000	25X25	1.25	LH2A821M2525GBH00000
1000	22X25	1.16	LH1K102M2225GBH00000	25X30	1.40	LH2A102M2530GBH00000
1200	25X25	1.47	LH1K122M2525GBH00000	30X25	1.62	LH2A122M3025GBH00000
1500	25X30	1.61	LH1K152M2530GBH00000	30X30	1.75	LH2A152M3030GBH00000
1800	30X25	1.76	LH1K182M3025GBH00000	35X25	2.12	LH2A182M3525GBH00000
2200	22X45	2.03	LH1K222M2245GBH00000	25X50	2.53	LH2A222M2550GBH00000
	30X30	2.04	LH1K222M3030GBH00000	30X40	2.52	LH2A222M3040GBH00000
2700	22X50	2.39	LH1K272M2250GBH00000	30X45	2.86	LH2A272M3045GBH00000
	30X30	2.29	LH1K272M3030GBH00000	35X35	2.81	LH2A272M3535GBH00000
3300	25X30	2.64	LH1K332M2530GBH00000	30X50	3.30	LH2A332M3050GBH00000
	35X30	2.56	LH1K332M3530GBH00000	35X40	3.28	LH2A332M3540GBH00000
3900	35X30	2.84	LH1K392M3530GBH00000	35X45	3.57	LH2A392M3545GBH00000
4700	35X40	3.47	LH1K472M3540GBH00000	35X50	3.80	LH2A472M3550GBH00000
5600	35X40	3.80	LH1K562M3540GBH00000			
6800	35X45	4.29	LH1K682M3545GBH00000			

Rated ripple current: (105°C, 120Hz)

LH

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	160V (2C)			200V (2D)		
	Dimensions (mm)	Ripple Current (A)	Part Number	Dimensions (mm)	Ripple Current (A)	Part Number
220				22X25	0.96	LH2D221M2225GBH00000
270	22X25	1.05	LH2C271M2225GBH00000	25X25	1.16	LH2D271M2525GBH00000
330	22X30	1.28	LH2C331M2230GBH00000	22X30	1.30	LH2D331M2230GBH00000
	25X25	1.29	LH2C331M2525GBH00000	25X25	1.31	LH2D331M2525GBH00000
390	25X30	1.53	LH2C391M2530GBH00000	25X30	1.53	LH2D391M2530GBH00000
	30X25	1.56	LH2C391M3025GBH00000	30X25	1.56	LH2D391M3025GBH00000
470	22X40	1.67	LH2C471M2240GBH00000	22X40	1.70	LH2D471M2240GBH00000
	25X30	1.60	LH2C471M2530GBH00000	25X30	1.68	LH2D471M2530GBH00000
560	22X45	1.95	LH2C561M2245GBH00000	25X35	1.90	LH2D561M2535GBH00000
680	22X50	2.15	LH2C681M2250GBH00000	25X40	2.20	LH2D681M2540GBH00000
820	25X45	2.45	LH2C821M2545GBH00000	25X50	2.55	LH2D821M2550GBH00000
1000	25X50	2.80	LH2C102M2550GBH00000	30X45	2.95	LH2D102M3045GBH00000
1200	30X45	3.10	LH2C122M3045GBH00000	30X50	3.31	LH2D122M3050GBH00000
1500	30X50	3.70	LH2C152M3050GBH00000	35X40	3.70	LH2D152M3540GBH00000
1800	35X45	4.00	LH2C182M3545GBH00000	35X50	4.15	LH2D182M3550GBH00000
2200	35X50	4.50	LH2C222M3550GBH00000			

	250V (2E)			350V (2V)		
	Dimensions (mm)	Ripple Current (A)	Part Number	Dimensions (mm)	Ripple Current (A)	Part Number
100				22X25	0.67	LH2V101M2225GBH00000
120				22X30	0.78	LH2V121M2230GBH00000
150				22X35	0.94	LH2V151M2235GBH00000
180	22X30	0.94	LH2E181M2230GBH00000	25X30	1.06	LH2V181M2530GBH00000
220	25X30	1.17	LH2E221M2530GBH00000	22X45	1.28	LH2V221M2245GBH00000
				25X35	1.24	LH2V221M2535GBH00000
				30X30	1.29	LH2V221M3030GBH00000
270	30X25	1.23	LH2E271M3025GBH00000	22X50	1.48	LH2V271M2250GBH00000
				25X45	1.53	LH2V271M2545GBH00000
				30X35	1.51	LH2V271M3035GBH00000
330	25X35	1.41	LH2E331M2535GBH00000	25X50	1.72	LH2V331M2550GBH00000
	30X30	1.46	LH2E331M3030GBH00000	30X40	1.72	LH2V331M3040GBH00000
390	25X40	1.57	LH2E391M2540GBH00000	30X40	1.85	LH2V391M3040GBH00000
	30X30	1.54	LH2E391M3030GBH00000			
470	25X40	1.80	LH2E471M2540GBH00000	30X45	2.15	LH2V471M3045GBH00000
	30X30	1.76	LH2E471M3030GBH00000			
560	30X35	1.99	LH2E561M3035GBH00000	35X45	2.45	LH2V561M3545GBH00000
680	30X40	2.35	LH2E681M3040GBH00000	35X50	2.75	LH2V681M3550GBH00000
820	30X50	2.70	LH2E821M3050GBH00000			
1000	35X45	3.10	LH2E102M3545GBH00000			
1200	35X50	3.45	LH2E122M3550GBH00000			

Rated ripple current: (105°C, 120Hz)

LH

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	400V (2G)			450V (2W)		
	Dimensions (mm)	Ripple Current (A)	Part Number	Dimensions (mm)	Ripple Current (A)	Part Number
68	22X25	0.58	LH2G680M2225GBH00000	22X25	0.52	LH2W680M2225GBH00000
82	22X25	0.65	LH2G820M2225GBH00000	22X30	0.62	LH2W820M2230GBH00000
100	25X35	0.71	LH2G101M2535GBH00000	22X35	0.68	LH2W101M2235GBH00000
120	25X30	0.87	LH2G121M2530GBH00000	30X25	0.81	LH2W121M3025GBH00000
150	25X30	1.01	LH2G151M2530GBH00000	30X30	0.99	LH2W151M3030GBH00000
180	30X30	1.21	LH2G181M3030GBH00000	35X25	1.13	LH2W181M3525GBH00000
220	22X50	1.40	LH2G221M2250GBH00000	25X45	1.30	LH2W221M2545GBH00000
	25X40	1.37	LH2G221M2540GBH00000	30X35	1.29	LH2W221M3035GBH00000
	30X35	1.43	LH2G221M3035GBH00000	35X25	1.24	LH2W221M3525GBH00000
270	25X45	1.64	LH2G271M2545GBH00000	25X50	1.54	LH2W271M2550GBH00000
	30X40	1.71	LH2G271M3040GBH00000	30X40	1.54	LH2W271M3040GBH00000
	35X30	1.67	LH2G271M3530GBH00000	35X30	1.50	LH2W271M3530GBH00000
330	25X50	1.80	LH2G331M2550GBH00000	30X45	1.70	LH2W331M3045GBH00000
	30X40	1.79	LH2G331M3040GBH00000	35X35	1.68	LH2W331M3535GBH00000
390	30X50	1.96	LH2G391M3050GBH00000	35X40	1.85	LH2W391M3540GBH00000
470	35X40	2.24	LH2G471M3540GBH00000	35X50	2.15	LH2W471M3550GBH00000
560	35X45	2.57	LH2G561M3545GBH00000			
680	35X50	2.85	LH2G681M3550GBH00000			

Rated ripple current: (105°C, 120Hz)