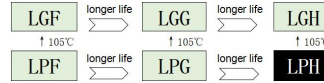


Screw Terminal Capacitor

LPH series 85°C 20000 hours



- Rohs requirements.
- 85°C for 20000 hours
- Used for switching power supply, servo, inverter, medical electronics, photovoltaic solar energy, wind energy long life industrial products.

■ Description

Item	Characteristic
Operating temperature range	-40°C ~ +85°C
Rated voltage(WV/V)	350V ~ 450V
Capacitance(CAP/C)	1000 ~ 15000
Tolerance(CAP/C)	±20% (25°C, 120Hz)
Leakage current LC/I(25°C, 120Hz))LC≤0.01CV(μA) or 5mA,take the smaller value (25°C,5minutes) C=Nominal capacitance(μF),V=Working voltage(V)
Dissipation factor DF/tanδ(25°C, 120Hz)	≤0.20
Temperature characteristics (Capacitance ratio at 120Hz)	C(-40°C)/C(+25°C)≤0.6
	C(-25°C)/C(+25°C)≤0.7

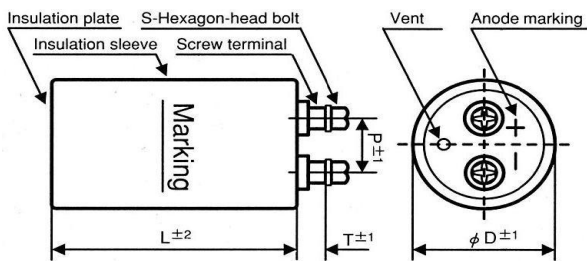
Load time	Working lifetime		Standard lifetime	Durability	High temperature storage
	>20000h	>200000h	20000h	20000h	1000h
LC/I(25°C, 120Hz)	Within the rated specification value.		Within the rated specification value.	Within the rated specification value.	Within the rated specification value.
Capacitance 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
Applied current	IR	1.2×IR	IR	IR=0	IR=0
Application temperature	85°C	40°C	85°C	85°C	85°C

Apply rated working voltage for 60 minutes, and conduct the test after 24-hour recovery.

■ Ripple current correction factor

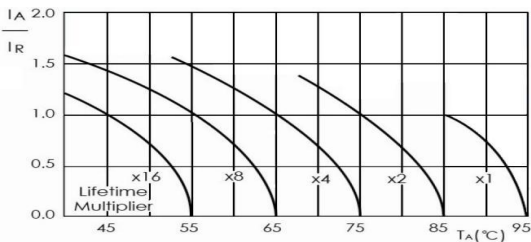
Temperature°C	40	55	60	85	Frequency	50/60Hz	120Hz	300Hz	1KHz	≥10KHz
Coefficient	1.89	1.76	1.67	1.00	Coefficient	0.80	1.00	1.10	1.30	1.40

■ Drawing unit: mm



ΦD	P	S	T	Cap materiall
36	12.7	M5×10	6	EP
51	22	M5×10	5.5	EP
64	28.6	M5×10	5.5	EP
77	31.4	M5×10	4.5	EP
90	31.4	M5×10	4.5	EP
101	41.5	M8×17	11.5	EP

■ Life curve



Multipier of useful life as a function of ambient temperature and ripple current load I A : actual ripple current at 120Hz,IR:rated ripple current at 120Hz 85°C

■ LPH Series : 85°C 20000 hours Screw capacitor

VV (V.DC)	CAP 25°C, 120Hz	DF 25°C, 120Hz	ESR (Max.) 25°C, 120Hz	ESR(typ.) 25°C, 120Hz	Rated Ripple Current 85°C, 120Hz	Size ΦD×L (mm)	Code P/N
(V.DC)	(μF)		(mΩ)	(mΩ)	(Arms)	(mm)	-
350 2V(400)	1000	0.20	99	69	3.8	51 x 80	LPH2V102MC080***
	1200	0.20	90	63	4.2	51 x 80	LPH2V122MC080***
	1500	0.20	76	53	5.1	51 x 100	LPH2V152MC100***
	1800	0.20	60	42	5.7	51 x 120	LPH2V182MC120***
	2200	0.20	43	30	7.1	51 x 130	LPH2V222MC130***
	2700	0.20	36	25	7.6	64 x 96	LPH2V272MD096***
	3300	0.20	33	23	9.1	64 x 115	LPH2V332MD115***
	3900	0.20	26	18	10.4	64 x 130	LPH2V392MD130***
		0.20	21	15	12.3	64 x 145	LPH2V472MD145***
	4700	0.20	23	16	11.5	77 x 115	LPH2V472ME115***
		0.20	19	13	14.6	77 x 130	LPH2V562ME130***
	5600	0.20	20	14	13.2	77 x 155	LPH2V562ME155***
		0.20	17	12	15.5	77 x 155	LPH2V682ME155***
	8200	0.20	16	11	18.2	90 x 157	LPH2V822MF157***
	10000	0.20	14	10	19.8	90 x 157	LPH2V103MF157***
12000	0.20	11	8	23.8	90 x 196	LPH2V123MF196***	
15000	0.20	9	6	28.3	90 x 236	LPH2V153MF236***	
400 2G(450)	1000	0.20	99	69	3.8	51 x 80	LPH2G153MC080***
	1200	0.20	90	63	4.6	51 x 100	LPH2G122MC100***
	1500	0.20	74	52	5.6	51 x 120	LPH2G152MC120***
	1800	0.20	60	42	6.5	51 x 130	LPH2G182MC130***
	2200	0.20	56	39	6.9	64 x 96	LPH2G222MD096***
	2700	0.20	53	37	8.2	64 x 115	LPH2G272MD115***
	3300	0.20	39	27	9.6	64 x 130	LPH2G332MD130***
	3900	0.20	36	25	11.1	64 x 145	LPH2G392MD145***
		0.20	39	27	10.4	77 x 115	LPH2G392ME115***
	4700	0.20	27	19	13.4	64 x 155	LPH2G472MD155***
		0.20	29	20	12.1	77 x 130	LPH2G472ME130***
	5600	0.20	26	18	14.6	77 x 145	LPH2G562ME145***
		0.20	26	18	14.1	77 x 155	LPH2G562ME155***
	6800	0.20	21	15	16.5	90 x 157	LPH2G682MF157***
	8200	0.20	20	14	18.2	90 x 157	LPH2G822MF157***
10000	0.20	16	11	21.7	90 x 196	LPH2G103MF196***	
12000	0.20	10	7	25.8	90 x 236	LPH2G123MF236***	
450 2W(500)	1000	0.20	99	69	4.3	51 x 100	LPH2W102MC100***
	1200	0.20	93	65	5.1	51 x 120	LPH2W122MC120***
	1500	0.20	74	52	5.9	51 x 130	LPH2W152MC130***
	1800	0.20	60	42	6.3	64 x 96	LPH2W182MD096***
	2200	0.20	57	40	7.5	64 x 115	LPH2W222MD115***
	2700	0.20	59	41	8.6	64 x 130	LPH2W272MD130***
		0.20	57	40	8.8	77 x 115	LPH2W272ME115***
	3300	0.20	43	30	10.2	64 x 145	LPH2W332MD145***
		0.20	46	32	10.2	77 x 130	LPH2W332ME130***
	3900	0.20	39	27	12.3	77 x 145	LPH2W392ME145***
	4700	0.20	33	23	12.9	77 x 155	LPH2W472ME155***
	5600	0.20	29	20	15.4	77 x 195	LPH2W562ME195***
		0.20	31	22	14.9	90 x 157	LPH2W562MF157***
	6800	0.20	29	20	18.1	90 x 196	LPH2W682MF196***
	8200	0.20	24	17	19.9	90 x 196	LPH2W822MF196***
10000	0.20	23	16	23.8	90 x 236	LPH2W103MF236***	

**** 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.