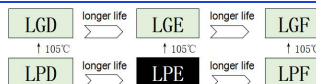


Screw Terminal Capacitor

LPE series 85°C 12000 hours



- Rohs requirements.
- 85°C for 12000 hours.
- Used for switching power supply, servo, inverter, medical electronics, photovoltaic solar energy, wind energy long life industrial products.

Product description

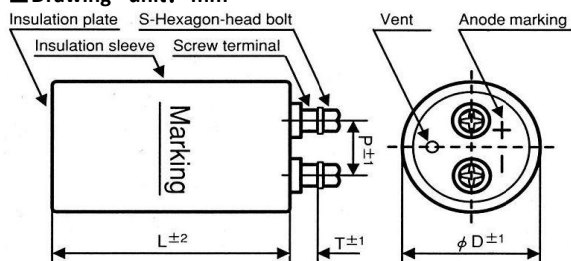
Item	Characteristic
Operating temperature range	-40°C ~ +85°C
Rated voltage(WV/V)	350V ~ 450V
Capacitance(CAP/C)	1000 ~ 15000
Tolerance(CAP/C)	±20% (25°C, 120Hz)
Leakage current LC/I(25°C, 120Hz)	LC≤0.01CV(μA) or 5mA, take the smaller value (25°C, 5minutes) C=Nominal capacitance(μF), V=Working voltage(V)
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
	>12000h	>200000h	12000h	12000h	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	Apply rated working voltage for 60 minutes, and conduct the test after 24-hour recovery.
Applied current	IR	1.2×IR	IR	IR=0	
Application temperature	85°C	40°C	85°C	85°C	

Ripple current correction factor

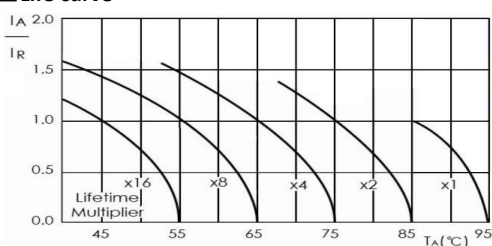
Temperature °C	40	55	60	85	Frequency	50/60Hz	120Hz	300Hz	1KHz	≥10KHz
	Coefficient	1.89	1.76	1.67		1.00	Coefficient	0.80	1.00	1.10

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



Multiplier of useful life as a function of ambient temperature and ripple current load I_A: actual ripple current at 120Hz, I_R: rated ripple current at 120Hz 85°C

■ LPE series : 85°C 12000 hours screw capacitor

WV (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	LPE2V102MC080***
	1200	0.20	90	63	4.2	51 x 80	LPE2V122MC080***
	1500	0.20	76	53	5.1	51 x 100	LPE2V152MC100***
	1800	0.20	60	42	5.7	51 x 100	LPE2V182MC100***
	2200	0.20	43	30	7.1	51 x 100	LPE2V222MC100***
	2700	0.20	36	25	7.6	64 x 96	LPE2V272MD096***
	3300	0.20	33	23	9.1	64 x 115	LPE2V332MD115***
	3900	0.20	26	18	10.4	64 x 130	LPE2V392MD130***
	4700	0.20	21	15	12.3	64 x 145	LPE2V472MD145***
	4700	0.20	23	16	11.5	77 x 115	LPE2V472ME115***
	5600	0.20	19	13	14.6	77 x 130	LPE2V562ME130***
	5600	0.20	20	14	13.2	77 x 155	LPE2V562ME155***
	6800	0.20	17	12	15.5	77 x 155	LPE2V682ME155***
	8200	0.20	16	11	18.2	90 x 157	LPE2V822MF157***
	10000	0.20	14	10	19.8	90 x 157	LPE2V103MF157***
12000	0.20	11	8	23.8	90 x 196	LPE2V123MF196***	
15000	0.20	9	6	28.3	90 x 236	LPE2V153MF236***	
400 2G(450)	1000	0.20	99	69	3.8	51 x 80	LPE2G153MC080***
	1200	0.20	90	63	4.6	51 x 100	LPE2G122MC100***
	1500	0.20	74	52	5.6	51 x 100	LPE2G152MC100***
	1800	0.20	60	42	6.5	51 x 100	LPE2G182MC100***
	2200	0.20	56	39	6.9	64 x 96	LPE2G222MD096***
	2700	0.20	53	37	8.2	64 x 115	LPE2G272MD115***
	3300	0.20	39	27	9.6	64 x 130	LPE2G332MD130***
	3900	0.20	36	25	11.1	64 x 145	LPE2G392MD145***
	3900	0.20	39	27	10.4	77 x 115	LPE2G392ME115***
	4700	0.20	27	19	13.4	64 x 145	LPE2G472MD145***
	4700	0.20	29	20	12.1	77 x 130	LPE2G472ME130***
	5600	0.20	26	18	14.6	77 x 145	LPE2G562ME145***
	5600	0.20	26	18	14.1	77 x 155	LPE2G562ME155***
	6800	0.20	21	15	16.5	90 x 157	LPE2G682MF157***
	8200	0.20	20	14	18.2	90 x 157	LPE2G822MF157***
10000	0.20	16	11	21.7	90 x 196	LPE2G103MF196***	
12000	0.20	10	7	25.8	90 x 236	LPE2G123MF236***	
450 2W(500)	1000	0.20	99	69	4.3	51 x 100	LPE2W102MC100***
	1200	0.20	93	65	5.1	51 x 100	LPE2W122MC100***
	1500	0.20	74	52	5.9	51 x 100	LPE2W152MC100***
	1800	0.20	60	42	6.3	64 x 96	LPE2W182MD096***
	2200	0.20	57	40	7.5	64 x 115	LPE2W222MD115***
	2700	0.20	59	41	8.6	64 x 130	LPE2W272MD130***
	2700	0.20	57	40	8.8	77 x 115	LPE2W272ME115***
	3300	0.20	43	30	10.2	64 x 145	LPE2W332MD145***
	3300	0.20	46	32	10.2	77 x 130	LPE2W332ME130***
	3900	0.20	39	27	12.3	77 x 145	LPE2W392ME145***
	4700	0.20	33	23	12.9	77 x 155	LPE2W472ME155***
	5600	0.20	29	20	15.4	77 x 195	LPE2W562ME195***
	5600	0.20	31	22	14.9	90 x 157	LPE2W562MF157***
	6800	0.20	29	20	18.1	90 x 196	LPE2W682MF196***
	8200	0.20	24	17	19.9	90 x 196	LPE2W822MF196***
10000	0.20	23	16	23.8	90 x 236	LPE2W103MF236***	

**** 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.