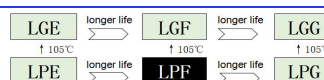


Screw terminal capacitor



LPF Series (85°C for 15000 hours)



- RoHS requirements.
- 85°C 15000 hours series.
- 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 1.5mA,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

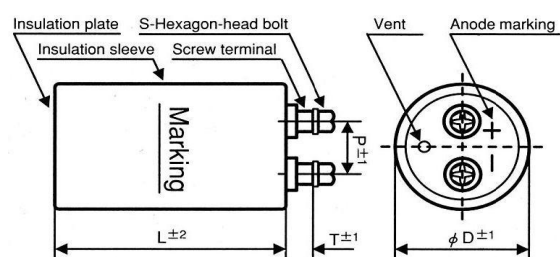
Load time	Working lifetime		Standard lifetime	Durability	High temperature storage
	>15000h	>200000h	15000h	15000h	1000h
Leakage current LC/I(25°C, 120Hz)	Within the rated specification value.		Within the rated specification value.	Within the rated specification value.	Within the rated specification value.
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
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

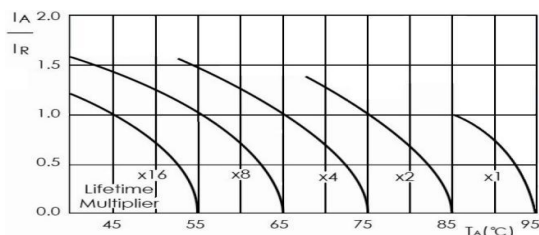
Temperature °C	40	55	60	85	Frequency	50/60Hz	120Hz	300Hz	1KHz	≥10KHz
Coefficient	1.89	1.76	1.67	1.00	Coefficient	0.80	1.00	1.10	1.30	1.40

Drawing unit: mm



ΦD	P	S	T	CAP material
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, IR: rated ripple current at 120Hz 85°C

■ LPF series:85°C 15000 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	LPF2V102MC080***
	1200	0.20	90	63	4.2	51 x 80	LPF2V122MC080***
	1500	0.20	76	53	5.1	51 x 100	LPF2V152MC100***
	1800	0.20	60	42	5.7	51 x 100	LPF2V182MC100***
	2200	0.20	43	30	7.1	51 x 100	LPF2V222MC100***
	2700	0.20	36	25	7.6	64 x 96	LPF2V272MD096***
	3300	0.20	33	23	9.1	64 x 115	LPF2V332MD115***
	3900	0.20	26	18	10.4	64 x 130	LPF2V392MD130***
	4700	0.20	21	15	12.3	64 x 145	LPF2V472MD145***
	4700	0.20	23	16	11.5	77 x 115	LPF2V472ME115***
	5600	0.20	19	13	14.6	77 x 130	LPF2V562ME130***
	5600	0.20	20	14	13.2	77 x 155	LPF2V562ME155***
	6800	0.20	17	12	15.5	77 x 155	LPF2V682ME155***
	8200	0.20	16	11	18.2	90 x 157	LPF2V822MF157***
	10000	0.20	14	10	19.8	90 x 157	LPF2V103MF157***
12000	0.20	11	8	23.8	90 x 196	LPF2V123MF196***	
15000	0.20	9	6	28.3	90 x 236	LPF2V153MF236***	
400 2G(450)	1000	0.20	99	69	3.8	51 x 80	LPF2G153MC080***
	1200	0.20	90	63	4.6	51 x 100	LPF2G122MC100***
	1500	0.20	74	52	5.6	51 x 100	LPF2G152MC100***
	1800	0.20	60	42	6.5	51 x 100	LPF2G182MC100***
	2200	0.20	56	39	6.9	64 x 96	LPF2G222MD096***
	2700	0.20	53	37	8.2	64 x 115	LPF2G272MD115***
	3300	0.20	39	27	9.6	64 x 130	LPF2G332MD130***
	3900	0.20	36	25	11.1	64 x 145	LPF2G392MD145***
	3900	0.20	39	27	10.4	77 x 115	LPF2G392ME115***
	4700	0.20	27	19	13.4	64 x 145	LPF2G472MD145***
	4700	0.20	29	20	12.1	77 x 130	LPF2G472ME130***
	5600	0.20	26	18	14.6	77 x 145	LPF2G562ME145***
	5600	0.20	26	18	14.1	77 x 155	LPF2G562ME155***
	6800	0.20	21	15	16.5	90 x 157	LPF2G682MF157***
	8200	0.20	20	14	18.2	90 x 157	LPF2G822MF157***
10000	0.20	16	11	21.7	90 x 196	LPF2G103MF196***	
12000	0.20	10	7	25.8	90 x 236	LPF2G123MF236***	
450 2W(500)	1000	0.20	99	69	4.3	51 x 100	LPF2W102MC100***
	1200	0.20	93	65	5.1	51 x 100	LPF2W122MC100***
	1500	0.20	74	52	5.9	51 x 100	LPF2W152MC100***
	1800	0.20	60	42	6.3	64 x 96	LPF2W182MD096***
	2200	0.20	57	40	7.5	64 x 115	LPF2W222MD115***
	2700	0.20	59	41	8.6	64 x 130	LPF2W272MD130***
	2700	0.20	57	40	8.8	77 x 115	LPF2W272ME115***
	3300	0.20	43	30	10.2	64 x 145	LPF2W332MD145***
	3300	0.20	46	32	10.2	77 x 130	LPF2W332ME130***
	3900	0.20	39	27	12.3	77 x 145	LPF2W392ME145***
	4700	0.20	33	23	12.9	77 x 155	LPF2W472ME155***
	5600	0.20	29	20	15.4	77 x 195	LPF2W562ME195***
	5600	0.20	31	22	14.9	90 x 157	LPF2W562MF157***
	6800	0.20	29	20	18.1	90 x 196	LPF2W682MF196***
	8200	0.20	24	17	19.9	90 x 196	LPF2W822MF196***
10000	0.20	23	16	23.8	90 x 236	LPF2W103MF236***	

**** 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.