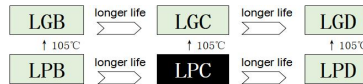


# Screw terminal capacitor



## LPC Series (85°C for 8000 hours)



- Rohs requirements.
- 85°C 8000 hours series.
- Used for switching power supplies, inverters, rectifiers, energy storage and other industrial products. industrial products.

### Product description

Item	Characteristic	
Operating temperature range	-40°C~+85°C	-25°C~+85°C
Rated voltage(WV/V)	400V~450V	500V
Capacitance(CAP/C)	1500~12000	
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)	≤0.2	
Temperature characteristics (Capacitance ratio at 120Hz)	C(-40°C/C(+25°C)≥0.6(400V~450V)	
	C(-25°C/C(+25°C)≥0.7(460V~500V)	
Implementation standards	JIS C 5101-4	

	Working lifetime		Standard lifetime	Durability	High temperature storage
Load time	10000h	>150000h	8000h	9000h	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

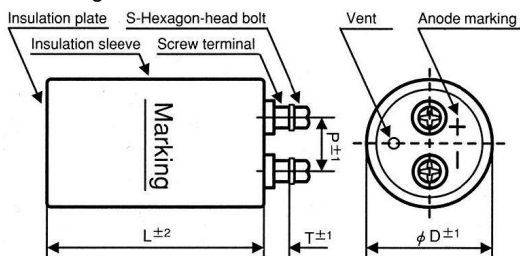
Apply rated working voltage for 60 minutes, and conduct the test after 24-hour recovery.

### Ripple current correction factor

Temperature UR(V)	Frequency				UR(V)	50/60Hz	120Hz	300KHz	1KHz	≥10KHz
	40	60	70	85		0.80	1.00	1.10	1.30	1.40
25~500	1.89	1.67	1.5	1.0	400~550					

Aluminum electrolytic capacitors age as they heat up and temperature rises when ripple current is superimposed. Using at higher temperatures will reduce product life. To maintain product life, please reduce ripple current during use.

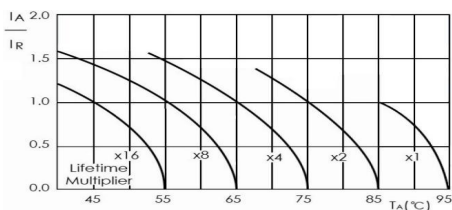
### Drawing unit: mm



Capacitors with screw terminals series

ΦD±1	P±1	S±0.5	T±1	CAP material
36	12.7	M5×10	6	EP
51	22	M5×10	6	EP
64	28.6	M5×10	6	EP
77	31.4	M5×10	6	EP
90	31.4	M5×10	6	EP
101	41.5	M8×17	10	EP

### Life curve



Multiplier of useful life as a function of ambient temperature and ripple current load I<sub>A</sub>: actual ripple current at 120Hz, I<sub>R</sub>: rated ripple current at 120Hz 105°C

■ LPC series : 85°C 8000 hours standard screw capacitor

WV (V.DC)	CAP 25°C, 120Hz	DF 25°C, 120Hz	Max ESR 25°C, 120Hz	ESR(typ.) 25°C, 120Hz	Rated Ripple Current 105, 120Hz	Size ΦD×L (mm)	Code P/N
(V.DC)	(μF)	(%)	(mΩ)	(mΩ)	(Arms)	(mm)	
400 2G(450)	2700	0.2	74.0	36	10	64 x 100	LP2G272MD100***
	3300	0.2	65.0	21	11	64 x 115	LP2G332MD115***
	3900	0.2	50.0	19	12.8	64 x 130	LP2G392MD130***
	3900	0.2	50.0	24	13.5	77 x 115	LP2G392MD115***
	4700	0.2	40.0	19	14.8	64 x 155	LP2G472MD155***
	4700	0.2	40.0	19	14.8	77 x 115	LP2G472MD115***
	5600	0.2	34.0	16	16.2	77 x 130	LP2G562MD130***
	5600	0.2	34.0	16	16.2	90 x 130	LP2G562MF130***
	6800	0.2	28.0	13	18.7	77 x 155	LP2G682MD155***
	6800	0.2	28.0	13	18.7	90 x 145	LP2G682MF145***
	8200	0.2	22.0	10	22	77 x 155	LP2G822MD155***
	10000	0.2	18.0	8	24.2	90 x 130	LP2G103MF130***
12000	0.2	22.0	10	28.5	90 x 157	LP2G123MF157***	
450 2W(500)	2200	0.2	90.0	44	10.4	64 x 100	LP2W222MD100**
	2200	0.2	90.0	44	11.5	77 x 96	LP2W222MD096**
	2700	0.2	74.0	36	12.8	64 x 130	LP2W272MD130**
	3300	0.2	58.0	28	15.2	64 x 155	LP2W332MD155**
	3300	0.2	58.0	28	15.2	77 x 115	LP2W332MD115**
	3900	0.2	52.0	25	15.8	64 x 155	LP2W392MD155**
	3900	0.2	52.0	25	16.5	77 x 130	LP2W392MD130**
	4700	0.2	40.0	19	18	77 x 145	LP2W472MD145**
	4700	0.2	40.0	19	20.8	90 x 130	LP2W472MF130**
	5600	0.2	34.0	16	21.8	77 x 155	LP2W562MD155**
	5600	0.2	34.0	16	24.2	90 x 130	LP2W562MF130**
	6800	0.2	28.0	13	24.9	90 x 157	LP2W682MF157**
8200	0.2	22.0	10	32.2	90 x 157	LP2W822MF157**	
10000	0.2	18.0	8	36.9	90 x 170	LP2W103MF170**	
500 2H(550)	1500	0.2	146.0	72	8.6	64 x 115	LP2H152MD115**
	1800	0.2	130.0	60	10	64 x 130	LP2H182MD130**
	2200	0.2	100.0	49	11.7	64 x 145	LP2H222MD145**
	2700	0.2	80.0	39	15	77 x 115	LP2H272MD115**
	3300	0.2	66.0	32	17.5	77 x 145	LP2H332MD145**
	3900	0.2	56.0	27	20.2	77 x 155	LP2H392MD155**
	4700	0.2	46.0	22	21.8	90 x 130	LP2H472MF130**
	5600	0.2	38.0	18	25.3	90 x 157	LP2H562MF157**
6800	0.2	30.0	14	29	90 x 170	LP2H682MF170**	

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

If you need to know more about product specifications, sizes and other relevant data, if not fully listed, you can contact through phone, wechat and 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.