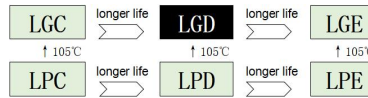


Screw Terminal Capacitor

LGG series 105°C 18000 hours



- Rohs requirements.
- 105°C for 18000 hours
- Used for industrial products such as switching power supplies, inverters, rectifiers, energy storage and other industrial products

■ Description

Item	Characteristic
Operating temperature range	-40°C~+105°C
Rated voltage(WV/V)	250V~450V
Capacitance(CAP/C)	220~18000
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
	18000h	>220000h	18000h	18000h	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	105°C	40°C	105°C	105°C	105°C

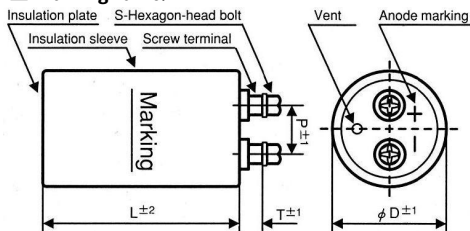
Apply the rated operating voltage UR 30 minutes and test after 24 hours of recovery.

■ Ripple current correction factor

UR(V)	Temp.°C					Freq.	UR(V)				
	40	55	70	85	105		50/60Hz	120Hz	300Hz	1KHz	≥10KHz
160~250	3.8	3.3	2.5	2.0	1.0	160~250	0.90	1.00	1.08	1.15	1.20
350~450	2.44	2.28	2.12	2.0	1.0	350~450	0.80	1.00	1.18	1.35	1.40

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.

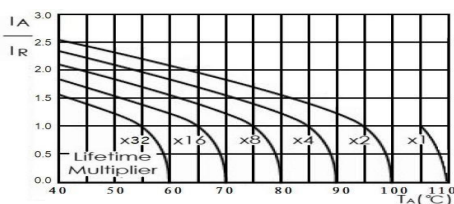
■ Drawing unit: mm



Capacitors with screw terminals series

ΦD±1	P±1	S±0.5	T±1	Cap materiall
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_A: actual ripple current at 120Hz, I_R:rated ripple current at 120Hz 105°C

■LGG series:105°C 18000 hours long lifetime 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°C, 120Hz	Size ΦD×L (mm)	Code P/N	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°C, 120Hz	Size D×L (mm)	Code P/N
(V.DC)	(μF)		(mΩ)	(mΩ)	(Arms)	(mm)	-	(V.DC)	(μF)		(mΩ)	(mΩ)	(Arms)	(mm)	-
250 2E (300)	330	0.20	804	320	0.9	36 x 50	LGG2E331MA050***	450 2W (500)	220	0.20	1206	830	1.2	36 x 50	LGG2W221MA050***
	470	0.20	564	240	1.1	36 x 50	LGG2E471MA050***		270	0.20	982	736	1.4	36 x 60	LGG2W271MA060***
	680	0.20	390	170	1.5	36 x 80	LGG2E681MA080***		330	0.20	804	554	1.6	36 x 80	LGG2W331MA080***
	1000	0.20	265	110	1.9	36 x 100	LGG2E102MA100***		470	0.20	564	390	2.1	51 x 80	LGG2W471MC080***
	1500	0.20	176	80	2.3	51 x 100	LGG2E152MC100***		560	0.20	473	342	2.4	51 x 100	LGG2W561MC100***
	3300	0.20	80	40	4.2	64 x 96	LGG2E332MD096***		680	0.20	390	270	2.7	51 x 100	LGG2W681MC100***
	4700	0.20	56	30	5.4	64 x 115	LGG2E472MD115***		820	0.20	323	224	3.6	51 x 100	LGG2W821MC100***
	6800	0.20	39	20	6.9	77 x 115	LGG2E682ME115***		1000	0.20	265	180	4.2	51 x 105	LGG2W102MC105***
	10000	0.20	26	16	9.4	77 x 155	LGG2E103ME155***		1200	0.20	221	140	4.8	64 x 115	LGG2W122MD115***
	15000	0.20	17	12	12.3	90 x 157	LGG2E153MF157***		1500	0.20	176	108	5.7	64 x 115	LGG2W152MD115***
400 2G (450)	1000	0.20	265	164	2.6	51 x 100	LGG2G102MC100***	1800	0.20	147	86	6.5	64 x 130	LGG2W182MD130***	
	1200	0.20	221	140	3.1	51 x 100	LGG2G122MC100***	2200	0.20	120	66	7.4	64 x 130	LGG2W222MD130***	
	1500	0.20	176	98	3.6	51 x 105	LGG2G152MC105***		0.20	120	66	7.3	77 x 115	LGG2W222ME115***	
	1800	0.20	147	78	4.1	64 x 96	LGG2G182MD096***	2700	0.20	98	56	8.8	77 x 115	LGG2W272ME115***	
	2200	0.20	120	60	4.5	64 x 115	LGG2G222MD115***		0.20	98	58	8.6	77 x 130	LGG2W272ME130***	
		0.20	120	60	4.5	64 x 130	LGG2G182MD130***	3300	0.20	80	44	10.3	77 x 130	LGG2W332ME130***	
	2700	0.20	98	44	5.3	64 x 130	LGG2G272MD130***		0.20	80	46	10.1	77 x 155	LGG2W332ME155***	
		0.20	98	44	5.3	77 x 115	LGG2G272ME115***	4700	0.20	56	36	12.8	77 x 155	LGG2W472ME155***	
	3300	0.20	80	40	6.2	64 x 145	LGG2G332MD145***		0.20	56	36	12.6	90 x 145	LGG2W472MF145***	
		0.20	80	40	6.2	77 x 115	LGG2G332ME115***	5600	0.20	47	32	15.5	77 x 170	LGG2W562ME170***	
	3900	0.20	68	36	7.2	77 x 130	LGG2G392ME130***		0.20	47	32	15.9	90 x 157	LGG2W562MF157***	
		0.20	68	36	6.8	77 x 155	LGG2G392ME155***	6800	0.20	39	30	16.3	77 x 195	LGG2W682ME195***	
	4700	0.20	56	26	8.7	77 x 155	LGG2G472ME155***		0.20	39	30	16.1	90 x 157	LGG2W682MF157***	
		0.20	56	26	7.8	90 x 157	LGG2G472MF157***	8200	0.20	32	20	18.3	77 x 220	LGG2W822ME220***	
	5600	0.20	47	24	9.6	77 x 170	LGG2G562ME170***		0.20	32	20	18.2	90 x 196	LGG2W822MF196***	
		0.20	47	24	9.2	90 x 157	LGG2G562MF157***	10000	0.20	26	18	20.3	90 x 196	LGG2W103MF196***	
	6800	0.20	39	22	10.9	77 x 190	LGG2G682ME190***		0.20	26	18	20.1	101 x 157	LGG2W103MG157***	
		0.20	39	22	10.7	90 x 157	LGG2G682MF157***	12000	0.20	22	16	23.5	90 x 236	LGG2W123MF236***	
	8200	0.20	32	20	11.1	77 x 236	LGG2G822ME236***		0.20	22	16	23.3	101 x 196	LGG2W123MG196***	
		0.20	32	20	11.8	90 x 170	LGG2G822MF170***	15000	0.20	17	12	25.3	90 x 250	LGG2W153MG250***	
	10000	0.20	26	18	14.3	77 x 250	LGG2G103ME250***		0.20	20	10	25.1	101 x 236	LGG2W153MG236***	
		0.20	26	18	14.2	90 x 196	LGG2G103MF196***								
	12000	0.20	22	16	15.6	101 x 196	LGG2G123MG196***								
	15000	0.20	17	12	18.3	101 x 236	LGG2G153MG236***								
18000	0.20	14	10	19.5	101 x 250	LGG2G183MG250***									

**** 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.