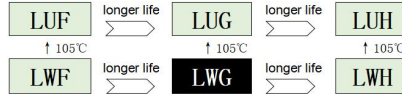


Liron®

Screw Terminal Capacitor

LWG Series 85°C 18000 Hours



- Rohs requirements.
- 85°C 18000 hours, large ripple series.
- Used for switching power supplies, inverters, medical electronics, photovoltaic solar energy, wind energy and other industrial products

Product description

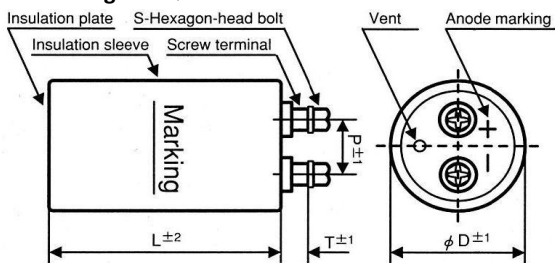
Item	Characteristic
Operating temperature range	-40°C ~ +85°C
Rated voltage(WV/V)	350V ~ 450V
Capacitance(CAP/C)	1000 ~ 15000
Tolerance(CAP/C)	±20% (25°C, 120Hz)
Leakage current LC/I(25°C, 120Hz)	LC ≤ 0.01CV(UA) Or 5MA, take the smaller value (25°C, 5Minutes) C=Nominal capacitance(μF), V=Working voltage(V)
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	>200000H	18000H	18000H
LC/I(25°C, 120Hz)	Within rated specification value		Within rated specification value	Within rated specification value	Within 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 The Rated Operating Voltage UR60 Minutes And Test After 24 Hours Of Recovery.
Applied current	IR	1.2×IR	IR	IR=0	
Application temperature	85°C	40°C	85°C	85°C	

Ripple Current Correction Factor

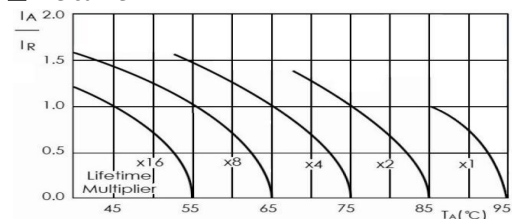
Temp. °C	40	55	60	85	Freq.	50/60Hz	120Hz	300Hz	1KHz	≥10KHz
Coefficient	1.89	1.76	1.67	1.00	Coefficient	0.80	1.00	1.10	1.30	1.40

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

■LWG series:85°C 18000 hours screw large ripple 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	5.1	51 x 100	LWG 2V102MC100***
	1200	0.20	90	63	5.7	51 x 100	LWG 2V122MC100***
	1500	0.20	76	53	6.9	51 x 100	LWG 2V152MC100***
	1800	0.20	60	42	7.7	64 x 115	LWG 2V182MD115***
	2200	0.20	43	30	9.6	64 x 115	LWG 2V222MD115***
	2700	0.20	36	25	10.3	64 x 115	LWG 2V272MD115***
	3300	0.20	33	23	12.3	77 x 115	LWG 2V332ME115***
	3900	0.20	26	18	14.0	77 x 130	LWG 2V392ME130***
	4700	0.20	21	15	16.6	77 x 130	LWG 2V472ME130***
	4700	0.20	23	16	15.5	77 x 145	LWG 2V472ME145***
	5600	0.20	19	13	19.7	77 x 145	LWG 2V562ME145***
	5600	0.20	20	14	17.8	77 x 155	LWG 2V562ME155***
	6800	0.20	17	12	20.9	77 x 155	LWG 2V682ME155***
	8200	0.20	16	11	24.6	90 x 157	LWG 2V822MF157***
	10000	0.20	14	10	26.7	90 x 157	LWG 2V103MF157***
12000	0.20	11	8	32.1	90 x 196	LWG 2V123MF196***	
15000	0.20	9	6	38.2	90 x 236	LWG 2V153MF236***	
400 2G(450)	1000	0.20	99	69	5.1	51 x 100	LWG 2G153MC100***
	1200	0.20	90	63	6.2	51 x 100	LWG 2G122MC100***
	1500	0.20	74	52	7.6	64 x 115	LWG 2G152MD115***
	1800	0.20	60	42	8.8	64 x 115	LWG 2G182MD115***
	2200	0.20	56	39	9.3	64 x 115	LWG 2G222MD115***
	2700	0.20	53	37	11.1	77 x 115	LWG 2G272ME115***
	3300	0.20	39	27	13.0	77 x 130	LWG 2G332ME130***
	3900	0.20	36	25	15.0	77 x 130	LWG 2G392ME130***
	3900	0.20	39	27	14.0	77 x 155	LWG 2G392ME155***
	4700	0.20	27	19	18.1	64 x 130	LWG 2G472MD130***
	4700	0.20	29	20	18.1	77 x 155	LWG 2G472ME155***
	5600	0.20	26	18	19.4	77 x 155	LWG 2G562ME155***
	5600	0.20	26	18	19.4	90 x 130	LWG 2G562MF130***
	6800	0.20	21	15	23.0	90 x 157	LWG 2G682MF157***
	8200	0.20	20	14	26.4	90 x 157	LWG 2G822MF157***
10000	0.20	16	11	29.3	90 x 196	LWG 2G103MF196***	
12000	0.20	10	7	34.8	90 x 236	LWG 2G123MF236***	
450 2W(500)	1000	0.20	99	69	5.8	51 x 100	LWG 2W102MC100***
	1200	0.20	93	65	6.9	64 x 115	LWG 2W122MD115***
	1500	0.20	74	52	8.0	64 x 115	LWG 2W152MD115***
	1800	0.20	60	42	8.5	64 x 115	LWG 2W182MD115***
	2200	0.20	57	40	10.1	77 x 115	LWG 2W222ME115***
	2700	0.20	59	41	11.6	77 x 115	LWG 2W272ME115***
	2700	0.20	57	40	11.9	77 x 130	LWG 2W272ME130***
	3300	0.20	43	30	13.8	77 x 130	LWG 2W332ME130***
	3300	0.20	46	32	13.8	77 x 155	LWG 2W332ME155***
	3900	0.20	39	27	16.6	77 x 155	LWG 2W392ME155***
	4700	0.20	33	23	21.6	77 x 155	LWG 2W472ME155***
	5600	0.20	29	20	26.2	77 x 195	LWG 2W562ME195***
	5600	0.20	31	22	29.0	90 x 157	LWG 2W562MF157***
	6800	0.20	29	20	33.0	90 x 196	LWG 2W682MF196***
	8200	0.20	24	17	38.6	90 x 196	LWG 2W822MF196***
10000	0.20	23	16	44.2	90 x 236	LWG 2W103MF236***	

**** 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.