

Screw Terminal Capacitor



LWE Series 85°C 12000 Hours



- Rohs requirements.
- 85°C 12000 hours, large ripple resistant series.
- Used for switching power supplies, inverters, medical electronics, photovoltaic solar energy, wind energy and other industrial products

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

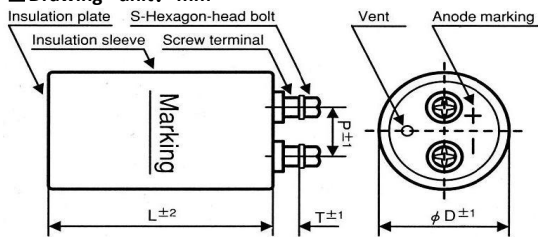
Load time	Working lifetime		Standard lifetime	Durability	High temperature storage
	>12000h	>200000h	12000h	12000h	1000h
LC/I(25°C, 120Hz)	Within the rated specification value.		Within the rated specification value.	Within the rated specification value.	Within the rated specification value.
Capacitance 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	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 the rated operating voltage ur 60 minutes and test after 24 hours of recovery.

Ripple current correction factor

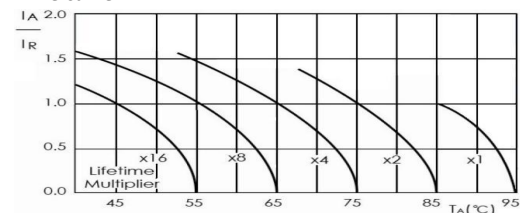
Temp. °C	40	55	60	85	Freq.	50/60Hz	120Hz	300Hz	1KHz	≥10KHz
Coefficient	1.89	1.76	1.67	1.00	Coefficient	0.80	1.00	1.10	1.30	1.40

Drawing unit: mm



ΦD	P	S	T	Cap 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

■LWE series:85°C 12000 hours screw large ripple resistant 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 D×L Φ (mm)	Code P/N
(V.DC)	(μF)		(mΩ)	(mΩ)	(Arms)	(mm)	-
350 2V(400)	1000	0.20	99	69	5.1	51 x 80	LWE 2V102MC080***
	1200	0.20	90	63	5.7	51 x 80	LWE 2V122MC080***
	1500	0.20	76	53	6.9	51 x 100	LWE 2V152MC100***
	1800	0.20	60	42	7.7	51 x 100	LWE 2V182MC100***
	2200	0.20	43	30	9.6	51 x 100	LWE 2V222MC100***
	2700	0.20	36	25	10.3	64 x 96	LWE 2V272MD096***
	3300	0.20	33	23	12.3	64 x 115	LWE 2V332MD115***
	3900	0.20	26	18	14.0	64 x 130	LWE 2V392MD130***
	4700	0.20	21	15	16.6	64 x 145	LWE 2V472MD145***
	4700	0.20	23	16	15.5	77 x 115	LWE 2V472ME115***
	5600	0.20	19	13	19.7	77 x 130	LWE 2V562ME130***
	5600	0.20	20	14	17.8	77 x 155	LWE 2V562ME155***
	6800	0.20	17	12	20.9	77 x 155	LWE 2V682ME155***
	8200	0.20	16	11	24.6	90 x 157	LWE 2V822MF157***
	10000	0.20	14	10	26.7	90 x 157	LWE 2V103MF157***
12000	0.20	11	8	32.1	90 x 196	LWE 2V123MF196***	
15000	0.20	9	6	38.2	90 x 236	LWE 2V153MF236***	
400 2G(450)	1000	0.20	99	69	5.1	51 x 80	LWE 2G153MC080***
	1200	0.20	90	63	6.2	51 x 100	LWE 2G122MC100***
	1500	0.20	74	52	7.6	51 x 100	LWE 2G152MC100***
	1800	0.20	60	42	8.8	51 x 100	LWE 2G182MC100***
	2200	0.20	56	39	9.3	64 x 96	LWE 2G222MD096***
	2700	0.20	53	37	11.1	64 x 115	LWE 2G272MD115***
	3300	0.20	39	27	13.0	64 x 130	LWE 2G332MD130***
	3900	0.20	36	25	15.0	64 x 145	LWE 2G392MD145***
	3900	0.20	39	27	14.0	77 x 115	LWE 2G392ME115***
	4700	0.20	27	19	18.1	64 x 145	LWE 2G472MD145***
	4700	0.20	29	20	18.1	77 x 130	LWE 2G472ME130***
	5600	0.20	26	18	19.4	77 x 145	LWE 2G562ME145***
	5600	0.20	26	18	19.4	90 x 130	LWE 2G562MF130***
	6800	0.20	21	15	22.3	90 x 157	LWE 2G682MF157***
	8200	0.20	20	14	26.4	90 x 157	LWE 2G822MF157***
10000	0.20	16	11	29.3	90 x 196	LWE 2G103MF196***	
12000	0.20	10	7	34.8	90 x 236	LWE 2G123MF236***	
450 2W(500)	1000	0.20	99	69	5.8	51 x 100	LWE 2W102MC100***
	1200	0.20	93	65	6.9	51 x 100	LWE 2W122MC100***
	1500	0.20	74	52	8.0	51 x 100	LWE 2W152MC100***
	1800	0.20	60	42	8.5	64 x 96	LWE 2W182MD096***
	2200	0.20	57	40	10.1	64 x 115	LWE 2W222MD115***
	2700	0.20	59	41	11.6	64 x 130	LWE 2W272MD130***
	2700	0.20	57	40	11.9	77 x 115	LWE 2W272ME115***
	3300	0.20	43	30	13.8	64 x 145	LWE 2W332MD145***
	3300	0.20	46	32	13.8	77 x 130	LWE 2W332ME130***
	3900	0.20	39	27	16.6	77 x 145	LWE 2W392ME145***
	4700	0.20	33	23	21.6	77 x 155	LWE 2W472ME155***
	5600	0.20	29	20	26.2	77 x 195	LWE 2W562ME195***
	5600	0.20	31	22	29.0	90 x 157	LWE 2W562MF157***
	6800	0.20	29	20	33.0	90 x 196	LWE 2W682MF196***
	8200	0.20	24	17	38.6	90 x 196	LWE 2W822MF196***
10000	0.20	23	16	44.2	90 x 236	LWE 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.