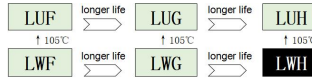


Screw Terminal Capacitor

LWH Series 85°C 20000 Hours



- RoHS requirements.
- 85°C 20000 hours,large ripple resistant series.
- Used for switching power supplies, inverters, medical electronics, photovoltaic solar energy, wind energy and other industrial products

Description

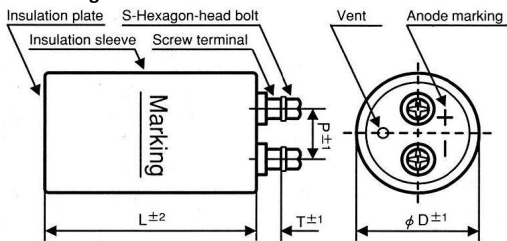
Item	Characteristic
Operating temperature range	-40°C~+85°C
Rated voltage(WV/V)	350V~450V
Capacitance(CAP/C)	1000~15000
Tolerance(CAP/C)	±20% (25°C, 120Hz)
Leakage current LC/I(25°C, 120Hz)	LC≤0.01CV(μA) or 5mA,take the smaller value (25°C,5minutes) C=Nominal capacitance(μF),V=Working voltage(V)
Dissipation 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

	Working lifetime		Standard lifetime	Durability	High temperature storage
Load time	>20000h	>200000h	20000h	20000h	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	Apply the rated operating voltage UR 60 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

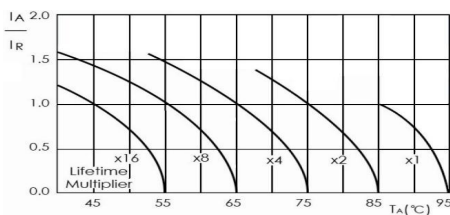
Temp. °C	40	55	60	85	Freq.	50/60Hz	120Hz	300Hz	1KHz	≥10KHz
Coefficient	1.89	1.76	1.67	1.00	Coefficient	0.80	1.00	1.10	1.30	1.40

Drawing unit: mm



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

■LWH series:85℃ 20000 hours screw large ripple resistant capacitor

WV (V.DC)	CAP 25℃, 120Hz	DF 25 ℃, 120Hz	ESR (Max.) 25℃, 120Hz	ESR(typ.) 25℃, 120Hz	Rated Ripplie Current 85℃, 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 100		LWH 2V102MC100***
	1200	0.20	90	63	5.7	51 x 100		LWH 2V122MC100***
	1500	0.20	76	53	6.9	51 x 100		LWH 2V152MC100***
	1800	0.20	60	42	7.7	64 x 115		LWH 2V182MD115***
	2200	0.20	43	30	9.6	64 x 115		LWH 2V222MD115***
	2700	0.20	36	25	10.3	64 x 115		LWH 2V272MD115***
	3300	0.20	33	23	12.3	77 x 115		LWH 2V332ME115***
	3900	0.20	26	18	14.0	77 x 130		LWH 2V392ME130***
	4700	0.20	21	15	16.6	77 x 130		LWH 2V472ME130***
	4700	0.20	23	16	15.5	77 x 145		LWH 2V472ME145***
	5600	0.20	19	13	19.7	77 x 145		LWH 2V562ME145***
	5600	0.20	20	14	17.8	77 x 155		LWH 2V562ME155***
	6800	0.20	17	12	20.9	77 x 155		LWH 2V682ME155***
	8200	0.20	16	11	24.6	90 x 157		LWH 2V822MF157***
	10000	0.20	14	10	26.7	90 x 157		LWH 2V103MF157***
	12000	0.20	11	8	32.1	90 x 196		LWH 2V123MF196***
15000	0.20	9	6	38.2	90 x 236		LWH 2V153MF236***	
400 2G(450)	1000	0.20	99	69	5.1	51 x 100		LWH 2G153MC100***
	1200	0.20	90	63	6.2	51 x 100		LWH 2G122MC100***
	1500	0.20	74	52	7.6	64 x 115		LWH 2G152MD115***
	1800	0.20	60	42	8.8	64 x 115		LWH 2G182MD115***
	2200	0.20	56	39	9.3	64 x 115		LWH 2G222MD115***
	2700	0.20	53	37	11.1	77 x 115		LWH 2G272ME115***
	3300	0.20	39	27	13.0	77 x 130		LWH 2G332ME130***
	3900	0.20	36	25	15.0	77 x 130		LWH 2G392ME130***
	3900	0.20	39	27	14.0	77 x 155		LWH 2G392ME155***
	4700	0.20	27	19	18.1	64 x 130		LWH 2G472MD130***
	4700	0.20	29	20	18.1	77 x 155		LWH 2G472ME155***
	5600	0.20	26	18	19.4	77 x 155		LWH 2G562ME155***
	5600	0.20	26	18	19.4	90 x 130		LWH 2G562MF130***
	6800	0.20	21	15	23.0	90 x 157		LWH 2G682MF157***
	8200	0.20	20	14	26.4	90 x 157		LWH 2G822MF157***
	10000	0.20	16	11	29.3	90 x 196		LWH 2G103MF196***
12000	0.20	10	7	34.8	90 x 236		LWH 2G123MF236***	

450 2W(500)	1000	0.20	99	69	5.8	51 x 100	LWH 2W102MC100***
	1200	0.20	93	65	6.9	64 x 115	LWH 2W122MD115***
	1500	0.20	74	52	8.0	64 x 115	LWH 2W152MD115***
	1800	0.20	60	42	8.5	64 x 115	LWH 2W182MD115***
	2200	0.20	57	40	10.1	77 x 115	LWH 2W222ME115***
	2700	0.20	59	41	11.6	77 x 115	LWH 2W272ME115***
	2700	0.20	57	40	11.9	77 x 130	LWH 2W272ME130***
	3300	0.20	43	30	13.8	77 x 130	LWH 2W332ME130***
	3300	0.20	46	32	13.8	77 x 155	LWH 2W332ME155***
	3900	0.20	39	27	16.6	77 x 155	LWH 2W392ME155***
	4700	0.20	33	23	21.6	77 x 155	LWH 2W472ME155***
	5600	0.20	29	20	26.2	77 x 195	LWH 2W562ME195***
	5600	0.20	31	22	29.0	90 x 157	LWH 2W562MF157***
	6800	0.20	29	20	33.0	90 x 196	LWH 2W682MF196***
	8200	0.20	24	17	38.6	90 x 196	LWH 2W822MF196***
10000	0.20	23	16	44.2	90 x 236	LWH 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.