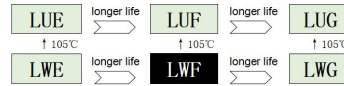


Screw Terminal Capacitor



LWF Series 85°C 15000 Hours



- Rohs requirements.
- 85°C 15000 Hours, High ripple Series.
- Used for switching power supplies, inverters, medical electronics, photovoltaic solar energy, wind energy and other industrial products

Description

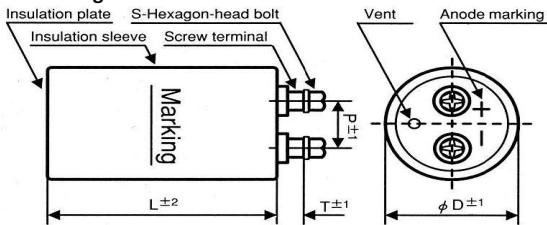
Item	Characteristic
Operating temperature range	-40°C ~ +85°C
Rated voltage(WV/V)	350V ~ 450V
Capacitance(CAP/C)	1000 ~ 15000
Tolerance(CAP/C)	±20% (25°C, 120Hz)
Leakage current LC/I(25°C, 120Hz)	LC ≤ 0.01CV(μA) or 5mA, take the smaller value (25°C, 5minutes) C=Nominal capacitance(μF), V=Working voltage(V)
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	
	>15000h	>200000h	15000h	15000h	UR=0	Apply the rated operating voltage ur 60 minutes and test after 24 hours of recovery.
LC/I(25°C, 120Hz)	Within the rated specification value.		Within the rated specification value.	Within the rated specification value.	UR=0	Apply the rated operating voltage ur 60 minutes and test after 24 hours of recovery.
Capacitance change	Within ±30% of initial value		Within ±20% of initial value	Within ±20% of initial value	UR=0	
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	Apply the rated operating voltage ur 60 minutes and test after 24 hours of recovery.
Applied current	IR	1.2×IR	IR	IR=0	IR=0	
Application temperature	85°C	40°C	85°C	85°C	85°C	

Ripple current correction factor

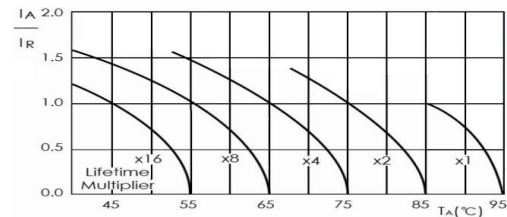
Temp. °C	40	55	60	85	Freq.	50/60Hz	120Hz	300Hz	1KHz	≥10KHz
Coefficient	1.89	1.76	1.67	1.00	Coefficient	0.80	1.00	1.10	1.30	1.40

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, I_R: rated ripple current at 120Hz 85°C

LWF series:85°C 15000 hours high ripple screw 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	199	99	5.1	51 x 100	WF s2V102MC100***
	1200	0.20	165	90	5.7	51 x 100	WF s2V122MC100***
	1500	0.20	132	76	6.9	51 x 100	WF s2V152MC100***
	1800	0.20	110	60	7.7	64 x 115	WF s2V182MD115***
	2200	0.20	90	43	9.6	64 x 115	WF s2V222MD115***
	2700	0.20	73	36	10.3	64 x 115	WF s2V272MD115***
	3300	0.20	60	33	12.3	77 x 115	WF s2V332ME115***
	3900	0.20	51	26	14.0	77 x 130	WF s2V392ME130***
		0.20	42	21	16.6	77 x 130	WF s2V472ME130***
	4700	0.20	42	23	15.5	77 x 145	WF s2V472ME145***
		0.20	35	19	19.7	77 x 145	WF s2V562ME145***
	5600	0.20	35	20	17.8	77 x 155	WF s2V562ME155***
		0.20	29	17	20.9	77 x 155	WF s2V682ME155***
	8200	0.20	24	16	24.6	90 x 157	WF s2V822MF157***
	10000	0.20	19	14	26.7	90 x 157	WF s2V103MF157***
12000	0.20	16	11	32.1	90 x 196	WF s2V123MF196***	
15000	0.20	13	9	38.2	90 x 236	WF s2V153MF236***	
400 2G(450)	1000	0.20	199	99	5.1	51 x 100	WF s2G153MC100***
	1200	0.20	165	90	6.2	51 x 100	WF s2G122MC100***
	1500	0.20	132	74	7.6	64 x 115	WF s2G152MD115***
	1800	0.20	110	60	8.8	64 x 115	WF s2G182MD115***
	2200	0.20	90	56	9.3	64 x 115	WF s2G222MD115***
	2700	0.20	73	53	11.1	77 x 115	WF s2G272ME115***
	3300	0.20	60	39	13.0	77 x 130	WF s2G332ME130***
	3900	0.20	51	36	15.0	77 x 130	WF s2G392ME130***
		0.20	51	39	14.0	77 x 155	WF s2G392ME155***
	4700	0.20	42	19	18.1	64 x 130	WF s2G472MD130***
		0.20	42	20	18.1	77 x 155	WF s2G472ME155***
	5600	0.20	35	18	19.4	77 x 155	WF s2G562ME155***
		0.20	35	18	19.4	90 x 130	WF s2G562MF130***
	6800	0.20	29	15	22.3	90 x 157	WF s2G682MF157***
	8200	0.20	24	14	26.4	90 x 157	WF s2G822MF157***
10000	0.20	19	11	29.3	90 x 196	WF s2G103MF196***	
12000	0.20	16	7	34.8	90 x 236	WF s2G123MF236***	
450 2W(500)	1000	0.20	199	69	5.8	51 x 100	WF s2W102MC100***
	1200	0.20	165	65	6.9	64 x 115	WF s2W122MD115***
	1500	0.20	132	52	8.0	64 x 115	WF s2W152MD115***
	1800	0.20	110	42	8.5	64 x 115	WF s2W182MD115***
	2200	0.20	90	40	10.1	77 x 115	WF s2W222ME115***
	2700	0.20	73	41	11.6	77 x 115	WF s2W272ME115***
		0.20	73	40	11.9	77 x 130	WF s2W272ME130***
	3300	0.20	60	30	13.8	77 x 130	WF s2W332ME130***
		0.20	60	32	13.8	77 x 155	WF s2W332ME155***
	3900	0.20	51	27	16.6	77 x 155	WF s2W392ME155***
	4700	0.20	42	23	21.6	77 x 155	WF s2W472ME155***
	5600	0.20	35	20	26.2	77 x 195	WF s2W562ME195***
		0.20	35	22	29.0	90 x 157	WF s2W562MF157***
	6800	0.20	29	20	33.0	90 x 196	WF s2W682MF196***
	8200	0.20	24	17	38.6	90 x 196	WF s2W822MF196***
10000	0.20	23	16	44.2	90 x 236	WF s2W103MF236***	

**** 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.

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