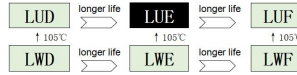


## Screw Terminal Capacitor

### LUE Series 85°C 12000 Hours



- Rohs requirements.
- 105°C 12000 hours,high ripple series.
- 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/(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)	UR(V)
	DF
Temperature characteristics (Capacitance ratio at 120hz)	C(-40°C)/C(+25°C)≥0.6
	C(-25°C)/C(+25°C)≥0.7

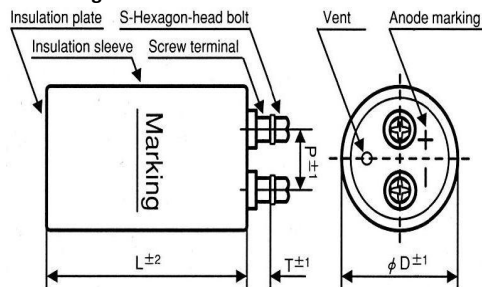
	Working lifetime		Standard lifetime	Durability	High temperature storage
Load time	12000H	>220000H	12000H	12000H	1000H
LC/(25°C, 120Hz)	Within rated specification value		Within rated specification value	Within rated specification value	Within rated specification value
Capacitance change	Within ±30% of 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	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

#### Ripple Current Correction Factor

Temperature°C	40	55	70	85	105	Frequency	50/60Hz	120Hz	300Hz	1KHz	≥10KHz
Coefficient	2.44	2.28	2.12	2.0	1.0	Coefficient	0.80	1.00	1.18	1.35	1.40

Aluminum electrolytic capacitors age due to self-heating and temperature rise when the ripple current is superimposed, and the use temperature rise will reduce the product life, to keep the product life, please reduce the ripple current during use.

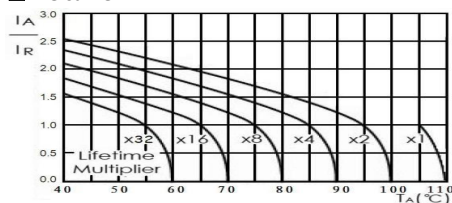
#### Drawing unit: mm



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,IR:rated ripple current at 120Hz 105°C

## ■LUE series:105°C 12000 hours high ripple 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 ΦD×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	1.2	36 x 50	LUE2E331MA050***	450 2W (500)	220	0.20	1206	830	1.6	36 x 50	LUE2W221MA050***
	470	0.20	564	240	1.5	36 x 50	LUE2E471MA050***		270	0.20	982	736	1.8	36 x 60	LUE2W271MA060***
	680	0.20	390	170	2.1	36 x 80	LUE2E681MA080***		330	0.20	804	554	2.1	36 x 80	LUE2W331MA080***
	1000	0.20	265	110	2.5	36 x 100	LUE2E102MA100***		470	0.20	564	390	2.8	51 x 80	LUE2W471MC080***
	1500	0.20	176	80	3.1	51 x 80	LUE2E152MC080***		560	0.20	473	342	3.2	51 x 80	LUE2W561MC080***
	3300	0.20	80	40	5.6	64 x 96	LUE2E332MD096***		680	0.20	390	270	3.6	51 x 80	LUE2W681MC080***
	4700	0.20	56	30	7.3	64 x 115	LUE2E472MD115***		820	0.20	323	224	4.8	51 x 80	LUE2W821MC080***
	6800	0.20	39	20	9.3	64 x 115	LUE2E682MD115***		1000	0.20	265	180	5.6	51 x 100	LUE2W102MC100***
	10000	0.20	26	16	12.7	77 x 155	LUE2E103ME155***		1200	0.20	221	140	6.4	51 x 100	LUE2W122MC100***
	15000	0.20	17	12	16.6	90 x 157	LUE2E153MF157***		1500	0.20	176	108	7.6	51 x 100	LUE2W152MC100***
400 2G (450)	1000	0.20	265	164	3.5	51 x 80	LUE2G102MC080***	1800	0.20	147	86	8.7	51 x 100	LUE2W182MC100***	
	1200	0.20	221	140	4.2	51 x 100	LUE2G122MC100***	2200	0.20	120	66	9.9	64 x 115	LUE2W222MD115***	
	1500	0.20	176	98	4.8	51 x 100	LUE2G152MC100***	2200	0.20	120	66	9.8	77 x 100	LUE2W222ME100***	
	1800	0.20	147	78	5.5	64 x 96	LUE2G182MD096***	2700	0.20	98	56	11.8	64 x 130	LUE2W272MD130***	
	2200	0.20	120	60	6.1	64 x 96	LUE2G222MD096***		0.20	98	58	11.6	77 x 105	LUE2W272ME105***	
		0.20	120	60	6.1	64 x 115	LUE2G182MD115***	3300	0.20	80	44	13.9	64 x 145	LUE2W332MD145***	
	2700	0.20	98	44	7.1	64 x 115	LUE2G272MD115***		0.20	80	46	13.6	77 x 115	LUE2W332ME115***	
		0.20	98	44	7.1	64 x 115	LUE2G272MD115***	4700	0.20	56	36	17.2	77 x 145	LUE2W472ME145***	
	3300	0.20	80	40	8.3	64 x 130	LUE2G332MD130***		0.20	56	36	17	90 x 130	LUE2W472MF130***	
		0.20	80	40	8.3	77 x 105	LUE2G332ME105***	5600	0.20	47	32	20.9	77 x 170	LUE2W562ME170***	
	3900	0.20	68	36	9.7	64 x 145	LUE2G392MD145***		0.20	47	32	21.4	90 x 157	LUE2W562MF157***	
		0.20	68	36	9.1	77 x 115	LUE2G392ME115***	6800	0.20	39	30	22.1	77 x 195	LUE2W682ME195***	
	4700	0.20	56	26	11.7	77 x 145	LUE2G472ME145***		0.20	39	30	21.7	90 x 157	LUE2W682MF157***	
		0.20	56	26	10.5	90 x 130	LUE2G472MF130***	8200	0.20	32	20	24.7	77 x 220	LUE2W822ME220***	
	5600	0.20	47	24	12.9	77 x 155	LUE2G562ME155***		0.20	32	20	24.5	90 x 196	LUE2W822MF196***	
		0.20	47	24	12.4	90 x 130	LUE2G562MF130***	10000	0.20	26	18	27.4	77 x 236	LUE2W103ME236***	
	6800	0.20	39	22	14.7	77 x 190	LUE2G682ME190***		0.20	26	18	27.2	90 x 220	LUE2W103MF220***	
		0.20	39	22	14.4	90 x 130	LUE2G682MF130***	12000	0.20	22	16	31.7	90 x 236	LUE2W123MF236***	
	8200	0.20	32	20	15.5	77 x 200	LUE2G822ME200***		0.20	22	16	31.4	101 x 196	LUE2W123MG196***	
		0.20	32	20	15.9	90 x 157	LUE2G822MF157***	15000	0.20	17	12	34.2	90 x 250	LUE2W153MF250***	
10000	0.20	26	18	19.3	77 x 240	LUE2G103ME240***	0.20		20	10	33.9	101 x 236	LUE2W153MG236***		
	0.20	26	18	19.3	90 x 196	LUE2G103MF196***	18000	0.20	22	16	21.1	101 x 196	LUE2G123MG196***		
12000	0.20	22	16	21.1	101 x 196	LUE2G123MG196***		15000	0.20	17	12	24.7	101 x 236	LUE2G153MG236***	
15000	0.20	17	12	24.7	101 x 236	LUE2G153MG236***		18000	0.20	14	10	26.3	101 x 250	LUE2G183MG250***	

\*\*\*\* 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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