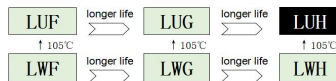


# Screw Terminal Capacitor Liron®

## LUH Series 105°C 20000 Hours



- Rohs requirements.
- 105°C 20000 hours, large ripple resistant 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)	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)	U <sub>R</sub> (V)	350~450
	DF	≤0.20
Temperature characteristics (Capacitance ratio at 120Hz)	C(-40°C)/C(+25°C)≥0.6	
	C(-25°C)/C(+25°C)≥0.7	

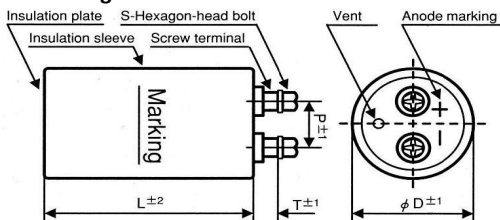
Load time	Working lifetime		Standard lifetime	Durability	High temperature storage	
	20000h	>220000h	20000h	20000h	1000h	
LC/I(25°C, 120Hz)	Within the rated specification value.		Within the rated specification value.	Within the rated specification value.	Within the rated specification value.	
Capacitance 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	UR=0	Apply the rated operating voltage UR 30 minutes and test after 24 hours of recovery.
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

Temp.°C	40	60	85	105	Freq.	50/60Hz	120Hz	300Hz	1KHz	≥10KHz
Coefficient	2.24	2.16	2.0	1.0	Coefficient	0.80	1.00	1.10	1.30	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.

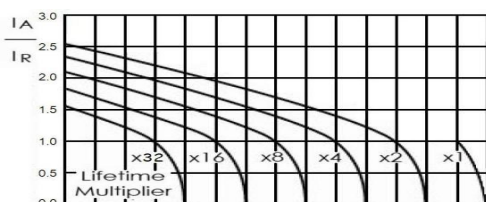
### Drawing unit: mm



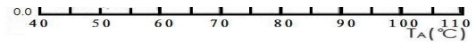
### Capacitors with screw terminals series

ΦD±1	P±1	S±0.5	T±1	Cap material
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<sub>A</sub>: actual ripple current at 120Hz, I<sub>R</sub>: rated ripple current at 120Hz 105°C



**■LUH series : 105 °C 20000 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 Rippie Current 105°C, 120Hz	Size D×L	Φ (mm)	Code P/N
(V.DC)	(μF)		(mΩ)	(mΩ)	(Arms)	(mm)		-
350 2V (400)	1000	0.20	312	109	4.2	51 x	80	LUH 2V102MC080***
	1200	0.20	260	91	4.5	51 x	80	LUH 2V122MC080***
	1500	0.20	208	72	5.5	51 x	100	LUH 2V152MC100***
	1800	0.20	173	60	6.6	51 x	120	LUH 2V182MC120***
	2200	0.20	141	49	7.5	51 x	130	LUH 2V222MC130***
	2700	0.20	115	40	8.2	64 x	96	LUH 2V272MD096***
	3300	0.20	95	33	9.8	64 x	115	LUH 2V332MD115***
	3900	0.20	80	28	11.3	64 x	130	LUH 2V392MD130***
	4700	0.20	66	23	13.1	64 x	145	LUH 2V472MD145***
	4700	0.20	66	23	13.1	77 x	115	LUH 2V472ME115***
	5600	0.20	56	19	15.1	77 x	130	LUH 2V562ME130***
	6800	0.20	46	16	18.1	77 x	155	LUH 2V682ME155***
	8200	0.20	38	13	20.1	90 x	130	LUH 2V822MF130***
	10000	0.20	32	10	24.1	90 x	157	LUH 2V103MF157***
	12000	0.20	26	9	29	90 x	196	LUH 2V123MF196***
15000	0.20	21	7	35.8	90 x	236	LUH 2V153MF236***	
400 2G(450)	1000	0.20	32	109	4.2	51 x	80	LUH 2G102MC080***
	1200	0.20	26	91	4.9	51 x	100	LUH 2G122MC100***
	1500	0.20	21	72	6.2	51 x	120	LUH 2G152MC120***
	1800	0.20	17	60	6.9	51 x	130	LUH 2G182MC130***
	2200	0.20	14	49	7.5	64 x	96	LUH 2G222MD096***
	2700	0.20	11	40	8.9	64 x	115	LUH 2G272MD115***
	3300	0.20	95	33	10.5	64 x	130	LUH 2G332MD130***
	3900	0.20	80	28	12.2	64 x	145	LUH 2G392MD145***
	3900	0.20	80	28	12.2	77 x	115	LUH 2G392ME115***
	4700	0.20	66	23	13.9	77 x	130	LUH 2G472ME130***
	5600	0.20	56	19	15.9	77 x	145	LUH 2G562ME145***
	5600	0.20	56	19	16.6	90 x	130	LUH 2G562MF130***
	6800	0.20	46	16	19.8	90 x	157	LUH 2G682MF157***
	8200	0.20	38	13	21.9	90 x	157	LUH 2G822MF157***
	10000	0.20	31	10	26.6	90 x	196	LUH 2G103MF196***
12000	0.20	26	9	31.7	90 x	236	LUH 2G123MF236***	
450 2W(500)	1000	0.20	312	109	4.4	51 x	100	LUH 2W102MC100***
	1200	0.20	260	91	5.4	51 x	120	LUH 2W122MC120***
	1500	0.20	208	72	6.2	51 x	130	LUH 2W152MC130***
	1800	0.20	173	60	7.4	64 x	115	LUH 2W182MD115***
	2200	0.20	141	49	8.2	64 x	115	LUH 2W222MD115***
	2700	0.20	115	40	9.4	64 x	130	LUH 2W272MD130***
	2700	0.20	115	40	9.9	77 x	115	LUH 2W272ME115***
	3300	0.20	94	33	11.6	77 x	130	LUH 2W332ME130***
	3900	0.20	80	28	13.2	77 x	145	LUH 2W392ME145***
	4700	0.20	66	23	15.1	77 x	155	LUH 2W472ME155***
	5600	0.20	55	19	18.2	77 x	195	LUH 2W562ME195***
	5600	0.20	55	19	18.2	90 x	157	LUH 2W562MF157***
	6800	0.20	45	16	21.8	90 x	196	LUH 2W682MF196***
	8200	0.20	38	13	24	90 x	196	LUH 2W822MF196***
	10000	0.20	31	10	30	90 x	236	LUH 2W103MF236***

\*\*\* Indicates product mounting method, terminal diameter, and thread size;

If you need to know more about product specifications, sizes and other relevant data, if not fully listed, you can contact through phone, wechat and other tools to understand.

The content recorded in the catalog book may be changed without prior notice. Please request our company to provide a specification book when purchasing or using it, and use it based on it.