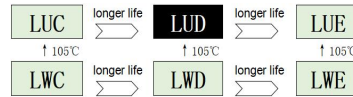


Screw terminal capacitor

LUD Series (105°C for 5000 hours)



- Rohs requirements.
- 105°C 10000 hours large ripple resistant
- Used for switching power supplies, inverters, laser spot welders, and large ripple-resistant products.

Product 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)	350~450
	≤0.20
Temperature characteristics (Capacitance ratio at 120Hz)	C(-40°C)/C(+25°C)≥0.6
	C(-25°C)/C(+25°C)≥0.7

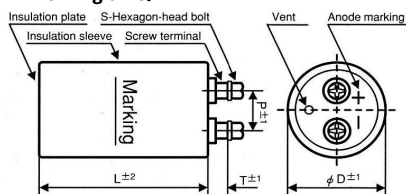
Load time	Working lifetime		Standard lifetime	Durability	High temperature storage
		12000h	>220000h	10000h	10000h
Leakage current LC/I(25°C, 120Hz)	Within the rated specification value.		Within the rated specification value.	Within the rated specification value.	Within the rated specification value.
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 rated working voltage for 60 minutes, and conduct the test after 24-hour recovery.
Applied current	IR	1.2×IR	IR	IR=0	
Application temperature	105°C	40°C	105°C	105°C	

Ripple current correction factor

Frequency	50/60Hz	120Hz	300KHz	1KHz	≥10KHz	Temperature°C	40	60	85	105
Coefficient	0.80	1.00	1.10	1.30	1.40	Coefficient	2.24	2.16	2.0	1.0

Aluminum electrolytic capacitors age as they heat up and temperature rises when ripple current is superimposed. Using at higher temperatures will reduce product life. To maintain product life, please reduce ripple current during use.

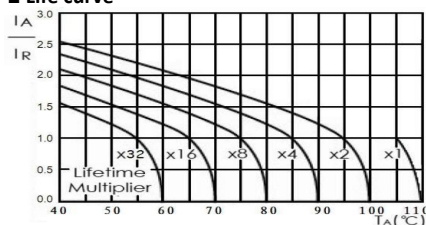
Drawing unit: mm



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 A : actual ripple current at 120Hz, IR: rated ripple current at 120Hz 85 °C

■ LUD series:105°C 10000 hours high ripple screw capacitor

WV	CAP 25°C, 120Hz	DF 25°C, 120Hz	Max ESR 25°C, 120Hz	ESR(typ.) 25°C, 120Hz	Rated Rippie Current 105°C, 120Hz	Size ΦD×L	Code P/N
(V.DC)	(μF)	-	(mΩ)	(mΩ)	(Arms)	(mm)	-
350 2V(400)	1000	0.20	136	68	5.4	51 x 75	LUD2V102MC075***
	1200	0.20	108	54	6.9	51 x 75	LUD2V122MC075***
	1500	0.20	108	54	8.3	51 x 96	LUD2V152MC096***
	1800	0.20	88	44	9.8	51 x 96	LUD2V182MC096***
	2200	0.20	60	30	11.3	51 x 130	LUD2V222MC130***
	2700	0.20	54	27	12.8	64 x 96	LUD2V272MD096***
	3300	0.20	54	23	14.5	64 x 115	LUD2V332MD115***
	3900	0.20	46	19	16.7	64 x 130	LUD2V392MD130***
	4700	0.20	39	17	19.8	77 x 155	LUD2V472ME155***
	4700	0.20	39	17	19.2	77 x 115	LUD2V472ME115***
	5600	0.20	32	14	21.9	77 x 130	LUD2V562ME130***
	5600	0.20	32	14	22.1	77 x 155	LUD2V562ME155***
	6800	0.20	27	13	26.3	77 x 155	LUD2V682ME155***
	8200	0.20	22	11	29.4	90 x 157	LUD2V822MF157***
10000	0.20	18	10	32.4	90 x 157	LUD2V103MF157***	
12000	0.20	16	8	39.2	90 x 170	LUD2V123MF170***	
15000	0.20	12	6	45.5	90 x 190	LUD2V153MF190***	
400 2G(450)	1000	0.20	176	88	5.8	51 x 75	LUD2G102MC075***
	1200	0.20	126	63	7.1	51 x 96	LUD2G122MC096***
	1500	0.20	104	52	8.5	51 x 115	LUD2G152MC115***
	1800	0.20	84	42	10.1	51 x 130	LUD2G182MC130***
	2200	0.20	80	40	11.5	64 x 96	LUD2G222MD096***
	2700	0.20	56	28	13.3	64 x 115	LUD2G272MD115***
	3300	0.20	46	23	15.2	64 x 130	LUD2G332MD130***
	3900	0.20	39	21	18.1	64 x 155	LUD2G392MD155***
	3900	0.20	39	21	18.3	77 x 115	LUD2G392ME115***
	4700	0.20	32	17	20.2	64 x 190	LUD2G472MD190***
	4700	0.20	32	17	20.3	77 x 130	LUD2G472ME130***
	5600	0.20	27	15	23.9	64 x 190	LUD2G562MD190***
	5600	0.20	27	15	24.1	77 x 155	LUD2G562ME155***
	6800	0.20	22	13	26.7	90 x 157	LUD2G682MF157***
8200	0.20	18	11	29.5	90 x 157	LUD2G822MF157***	
10000	0.20	15	9	35.8	90 x 190	LUD2G103MF190***	
12000	0.20	13	8	38.1	90 x 220	LUD2G123MF220***	
450 2W(500)	1000	0.20	138	69	5.7	51 x 96	LUD2W102MC096***
	1200	0.20	130	65	7.2	51 x 115	LUD2W122MC115***
	1500	0.20	104	52	8.6	51 x 130	LUD2W152MC130***
	1800	0.20	84	42	10.2	64 x 96	LUD2W182MD096***
	2200	0.20	69	38	11.9	64 x 115	LUD2W222MD115***
	2700	0.20	56	31	13.8	64 x 130	LUD2W272MD130***
	2700	0.20	56	31	14.6	77 x 115	LUD2W272ME115***
	3300	0.20	46	23	16.7	64 x 155	LUD2W332MD155***
	3300	0.20	46	24	17.1	77 x 130	LUD2W332ME130***
	3900	0.20	39	21	19.5	77 x 155	LUD2W392ME155***
	4700	0.20	32	18	21.8	77 x 155	LUD2W472ME155***
	5600	0.20	27	16	26.6	77 x 190	LUD2W562ME190***
	5600	0.20	27	16	27.1	90 x 157	LUD2W562MF157***
	6800	0.20	22	14	29.7	90 x 190	LUD2W682MF190***
8200	0.20	19	12	32.6	90 x 190	LUD2W822MF190***	
10000	0.20	17	11	35.8	90 x 220	LUD2W103MF220***	

**** 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.