

LUX Series

Features

- Snap-in terminal type
- 105°C, 7000 hours assured
- RoHS compliant, REACH&SVHC compliant

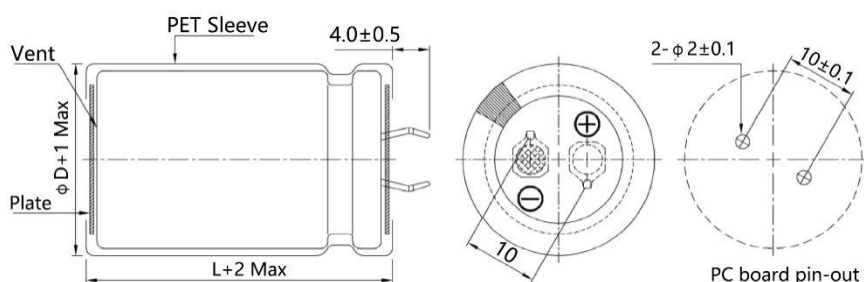


Specifications							
Category Temp. Range	160 ~ 250V			315 ~ 500V			
	-40℃ ~ +105℃			-25℃ ~ +105℃			
Capacitance Tolerance	±20% (120 Hz / +20 °C)						
Leakage Current	I ≤ 0.01 CV or 1.5 mA whichever is smaller (after 5 minutes)						
Tan δ	Please see the attached characteristics list						
Low Temperature Characteristics (Impedance ratio at 120 Hz)	Rated voltage (V)	160~250		315~500			
	Z (-25 °C) / Z (+20 °C)	4		8			
	Z (-40 °C) / Z (+20 °C)	12		-			
Ripple Current and Frequency Multipliers	Frequency	50/60Hz	120Hz	300Hz	1kHz	10kHz	≥ 50kHz
	Rated voltage						
	160~250V	0.80	1.00	1.17	1.30	1.45	1.50
	≥ 315V	0.80	1.00	1.16	1.30	1.43	1.45
Ripple Current and Temperature Multipliers	Temperature	+40℃	+55℃	+70℃	+85℃	+105℃	
	Multipliers	2.7	2.5	2.1	1.7	1.0	

	Useful Life		Load Life	Endurance Test	Shelf Life	
Life Time	9000H	≥200000H	7000H	7000H	1000H	
Capacitance Change	Within ±30% of initial value		Within ±20% of initial value	Within ±20% of initial value	Within ±20% of initial value	
Tan δ	Less than 300% of specified value		Less than 200% of specified value	Less than 200% of specified value	Less than 200% of specified value	
Leakage Current	Within specified value		Within specified value	Within specified value	Within specified value	
Condition:						
Applied Voltage	U_R	U_R	U_R	U_R	$U_R=0$	After test : U_R shall be applied for 30min
Applied Current	I_R	$1.4 \times I_R$	I_R	$I_R=0$	$I_R=0$	
Applied Temperature	105°C	50°C	105°C	105°C	105°C	

Dimensions:

Unit: mm



Part Number System:

E-cap	series	400V	330μF	± 20 %	30 Φ x40L		
L	UX	2G	331	M	3040		
Product category	Series name	Rated voltage	Capacitance	Capacitance tolerance	Case Size	Terminal type	Terminal length

Note: For more details, please refer to "Part Number System – Snap in type"

Characteristics list								
Rated voltage (V)	Capacitance (±20%) (μF)	Case size		Specification				Part Number
		øD (mm)	L (mm)	Rated ripple current (A rms) 105°C/120Hz	Max ESR (mΩ) 20°C/120Hz	Typ. ESR (mΩ) 20°C/120Hz	tan δ 20°C/120Hz	
160	560	22	40	1.5	355	249	0.15	LUX2C561M2240□□
		30	25	1.5	355	249	0.15	LUX2C561M3025□□
	680	22	45	1.7	293	205	0.15	LUX2C681M2245□□
		25	35	1.7	293	205	0.15	LUX2C681M2535□□
		30	30	1.7	293	205	0.15	LUX2C681M3030□□
	820	25	40	2	243	170	0.15	LUX2C821M2540□□
		25	45	2.2	199	139	0.15	LUX2C102M2545□□
	1000	30	35	2.2	199	139	0.15	LUX2C102M3035□□
		25	50	2.3	166	116	0.15	LUX2C122M2550□□
		30	40	2.3	166	116	0.15	LUX2C122M3040□□
	1200	35	35	2.3	166	116	0.15	LUX2C122M3535□□
		30	45	2.5	133	93	0.15	LUX2C152M3045□□
		35	40	2.5	133	93	0.15	LUX2C152M3540□□
	1800	30	50	2.7	111	77	0.15	LUX2C182M3050□□
		35	45	2.7	111	77	0.15	LUX2C182M3545□□
	2200	35	50	2.9	91	63	0.15	LUX2C222M3550□□
180	560	22	40	1.5	355	249	0.15	LUX2K561M2240□□
		25	35	1.5	355	249	0.15	LUX2K561M2535□□
	680	22	50	1.7	293	205	0.15	LUX2K681M2250□□
		25	40	1.7	293	205	0.15	LUX2K681M2540□□
		30	30	1.7	293	205	0.15	LUX2K681M3030□□
	820	25	45	2	243	170	0.15	LUX2K821M2545□□
		30	35	2	243	170	0.15	LUX2K821M3035□□
		35	30	2	243	170	0.15	LUX2K821M3530□□
	1000	30	40	2.2	199	139	0.15	LUX2K102M3040□□
	1200	30	45	2.3	166	116	0.15	LUX2K122M3045□□
		35	35	2.2	166	116	0.15	LUX2K122M3535□□
	1500	30	50	2.5	133	93	0.15	LUX2K152M3050□□
		35	40	2.5	133	93	0.15	LUX2K152M3540□□
	1800	35	45	2.7	111	77	0.15	LUX2K182M3545□□
	2200	35	50	2.9	91	63	0.15	LUX2K222M3550□□
200	470	22	40	1.4	424	296	0.15	LUX2D471M2240□□
		25	35	1.4	424	296	0.15	LUX2D471M2535□□
		30	30	1.4	424	296	0.15	LUX2D471M3030□□
	560	22	45	1.5	355	249	0.15	LUX2D561M2245□□
	680	25	40	1.7	293	205	0.15	LUX2D681M2540□□
		30	35	1.7	293	205	0.15	LUX2D681M3035□□
	820	25	50	2	243	170	0.15	LUX2D821M2550□□
		30	40	2	243	170	0.15	LUX2D821M3040□□
		35	30	2	243	170	0.15	LUX2D821M3530□□
	1000	30	45	2.2	199	139	0.15	LUX2D102M3045□□
		35	35	2.2	199	139	0.15	LUX2D102M3535□□
	1200	30	50	2.3	166	116	0.15	LUX2D122M3050□□
		35	40	2.3	166	116	0.15	LUX2D122M3540□□
	1500	35	50	2.5	133	93	0.15	LUX2D152M3550□□

Characteristics list

Rated voltage (V)	Capacitance (±20%) (μF)	Case size		Specification				Part Number
		øD (mm)	L (mm)	Rated ripple current (A rms) 105°C/120Hz	Max ESR (mΩ) 20°C/120Hz	Typ. ESR (mΩ) 20°C/120Hz	tan δ 20°C/120Hz	
250	330	22	40	1.2	603	422	0.15	LUX2E331M2240□□
		25	35	1.2	603	422	0.15	LUX2E331M2535□□
	390	22	45	1.3	510	357	0.15	LUX2E391M2245□□
		25	40	1.3	510	357	0.15	LUX2E391M2540□□
		30	30	1.3	510	357	0.15	LUX2E391M3030□□
	470	25	45	1.4	424	296	0.15	LUX2E471M2545□□
		30	35	1.4	424	296	0.15	LUX2E471M3035□□
		35	30	1.4	424	296	0.15	LUX2E471M3530□□
	560	25	50	1.5	355	249	0.15	LUX2E561M2550□□
	680	30	45	1.7	293	205	0.15	LUX2E681M3045□□
		35	35	1.7	293	205	0.15	LUX2E681M3535□□
	820	30	50	2	243	170	0.15	LUX2E821M3050□□
		35	40	2	243	170	0.15	LUX2E821M3540□□
	1000	35	45	2.2	199	139	0.15	LUX2E102M3545□□
	1200	35	50	2.3	166	116	0.15	LUX2E122M3550□□
315	220	22	45	1	905	498	0.15	LUX2F221M2245□□
		25	40	1	905	498	0.15	LUX2F221M2540□□
		30	30	1	905	498	0.15	LUX2F221M3030□□
	270	25	45	1.1	737	406	0.15	LUX2F271M2545□□
		30	35	1.1	737	406	0.15	LUX2F271M3035□□
		35	30	1.1	737	406	0.15	LUX2F271M3530□□
	330	25	50	1.2	603	332	0.15	LUX2F331M2550□□
		30	40	1.2	603	332	0.15	LUX2F331M3040□□
	390	30	45	1.3	510	281	0.15	LUX2F391M3045□□
		35	35	1.3	510	281	0.15	LUX2F391M3535□□
	470	30	50	1.4	424	233	0.15	LUX2F471M3050□□
		35	40	1.4	424	233	0.15	LUX2F471M3540□□
	560	35	45	1.5	355	196	0.15	LUX2F561M3545□□
	680	35	50	1.7	293	161	0.15	LUX2F681M3550□□
400	120	22	30	0.62	1659	912	0.15	LUX2G121M2230□□
		25	25	0.64	1659	912	0.15	LUX2G121M2525□□
	150	22	40	0.69	1327	730	0.15	LUX2G151M2240□□
		25	30	0.69	1327	730	0.15	LUX2G151M2530□□
	180	25	35	0.72	1106	608	0.15	LUX2G181M2535□□
		30	30	0.78	1106	608	0.15	LUX2G181M3030□□
	220	25	40	0.83	905	498	0.15	LUX2G221M2540□□
		30	30	0.81	905	498	0.15	LUX2G221M3030□□
	270	30	35	0.89	737	406	0.15	LUX2G271M3035□□
		35	25	0.82	737	406	0.15	LUX2G271M3525□□
	330	30	40	1.07	603	332	0.15	LUX2G331M3040□□
		35	30	1.02	603	332	0.15	LUX2G331M3530□□
	390	35	35	1.18	510	281	0.15	LUX2G391M3535□□
		30	45	1.21	510	281	0.15	LUX2G391M3045□□
	470	30	50	1.23	424	233	0.15	LUX2G471M3050□□
		35	40	1.22	424	233	0.15	LUX2G471M3540□□
	560	30	55	1.5	356	196	0.15	LUX2G561M3055□□
		35	45	1.5	356	196	0.15	LUX2G561M3545□□
	680	35	50	1.79	293	161	0.15	LUX2G681M3550□□
	820	35	55	2.07	243	134	0.15	LUX2G821M3555□□

Characteristics list

Rated voltage (V)	Capacitance (±20%) (μF)	Case size		Specification				Part Number
		øD (mm)	L (mm)	Rated ripple current (A rms) 105°C/120Hz	Max ESR (mΩ) 20°C/120Hz	Typ. ESR (mΩ) 20°C/120Hz	tan δ 20°C/120Hz	
450	120	25	30	0.69	2212	995	0.20	LUX2W121M2530□□
	150	25	35	0.77	1769	796	0.20	LUX2W151M2535□□
		30	25	0.73	1769	796	0.20	LUX2W151M3025□□
	180	25	40	0.83	1474	664	0.20	LUX2W181M2540□□
		30	30	0.81	1474	664	0.20	LUX2W181M3030□□
	220	30	35	0.96	1206	543	0.20	LUX2W221M3035□□
		35	25	0.89	1206	543	0.20	LUX2W221M3525□□
	270	30	40	1.09	983	442	0.20	LUX2W271M3040□□
		35	30	1.04	983	442	0.20	LUX2W271M3530□□
	330	30	45	1.21	804	362	0.20	LUX2W331M3045□□
		35	35	1.18	804	362	0.20	LUX2W331M3535□□
	390	30	50	1.24	680	306	0.20	LUX2W391M3050□□
		35	40	1.23	680	306	0.20	LUX2W391M3540□□
	470	30	55	1.41	565	254	0.20	LUX2W471M3055□□
		35	45	1.41	565	254	0.20	LUX2W471M3545□□
500	120	22	50	0.72	2212	1106	0.20	LUX2H121M2250□□
		25	40	0.68	2212	1106	0.20	LUX2H121M2540□□
	150	25	45	0.85	1769	885	0.20	LUX2H151M2545□□
		30	30	0.8	1769	885	0.20	LUX2H151M3030□□
	180	25	50	0.92	1474	737	0.20	LUX2H181M2550□□
		30	35	0.87	1474	737	0.20	LUX2H181M3035□□
		35	30	0.88	1474	737	0.20	LUX2H181M3530□□
	220	30	40	1.02	1206	603	0.20	LUX2H221M3040□□
		35	35	1.05	1206	603	0.20	LUX2H221M3535□□
	270	30	45	1.09	983	492	0.20	LUX2H271M3045□□
		30	50	1.19	983	492	0.20	LUX2H271M3050□□
		35	40	1.18	983	492	0.20	LUX2H271M3540□□
	330	30	55	1.28	804	402	0.20	LUX2H331M3055□□
		35	45	1.28	804	402	0.20	LUX2H331M3545□□
	390	30	60	1.43	680	340	0.20	LUX2H391M3060□□
		35	50	1.45	680	340	0.20	LUX2H391M3550□□
	470	35	60	1.59	565	282	0.20	LUX2H471M3560□□