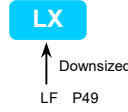


LX 系列 SERIES

Downsize

RoHS



- 小型化产品
Downsized
- 保证 85℃、2000 小时寿命。(叠加纹波电流)
Endurance with ripple current: 2000 hours at 85℃
- 额定工作电压范围: 160V~450V
Rated voltage range: 160V-450V

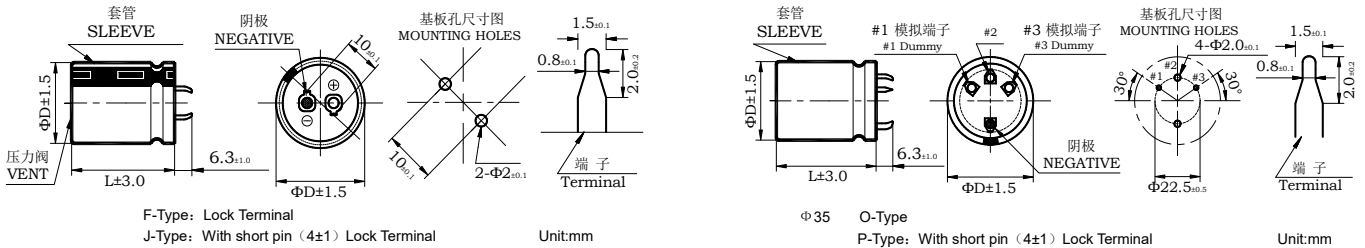
◆ 规格表 SPECIFICATIONS

项目 Items	特性 Characteristics							
工作温度范围 Operating Temperature Range	-25~+85℃							
额定工作电压范围 Rated Working Voltage Range	160~450V							
静电容量允许偏差 Capacitance Tolerance	±20% (20℃, 120Hz)							
损耗角正切值 Dissipation Factor (MAX) 20℃, 120Hz	$U_R(V)$	160	200	250	315	350	400	450
	$\tan\delta$	0.15	0.15	0.15	0.15	0.18	0.18	0.20
阻抗比 Impedance Ratio (MAX) 120Hz	$U_R(V)$	160	200	250	315	350	400	450
	$Z_{25^\circ C/20^\circ C}$	4	4	4	7	7	7	8
漏电流 Leakage Current (MAX)	$I = 0.01C_R U_R$ 或 $1.5mA$ 取小者 (20℃, 施加额定电压 5 分钟后) $I = 0.01C_R U_R$ or $1.5mA$ whichever is minimum. (at 20℃, After 5 minutes application of rated voltage) I = 漏电流 (µA) U_R = 额定电压 (V) C_R = 静电容量 (µF) Leakage Current Rated Voltage Rated Capacitance							

	使用寿命 Useful Life		负荷寿命 Load Life	耐久性特性 Endurance Test	高温无负荷特性 Shelf Life
产品寿命 Life Time	3000h	>180000h	2000h	2000h	1000h
漏电流 Leakage Current	≤规定值 ≤Specified value		≤规定值 ≤Specified value	≤规定值 ≤Specified value	≤规定值 ≤Specified value
损耗角正切值变化率 TgδChange	≤规定值的 300% ≤300% of specified value		≤规定值的 200% ≤200% of specified value	≤规定值的 200% ≤200% of specified value	≤规定值的 200% ≤200% of specified value
静电容量变化率 Capacitance Change	初始值±30%以内 Within±30% of initial value		初始值±20%以内 Within±20% of initial value	初始值±20%以内 Within±20% of initial value	初始值±20%以内 Within±20% of initial value
施加条件 Condition 施加电压 Applied Voltage 施加纹波电流 Applied Ripple Current 环境温度 Applied Temperature 失效等级 Failure Rate Level	U_R I_R 85℃ ≤1% Failure rate	U_R $1.4 \times I_R$ 40℃ ≤1% Failure rate	U_R I_R 85℃ 0%	U_R $I_R=0$ 85℃ 0%	$U_R=0$ $I_R=0$ 85℃ 0% Back up to 20℃ and placed more than 24 hours. U_R to be applied for 60 min before measurement.

◆ 尺寸图 Dimensions

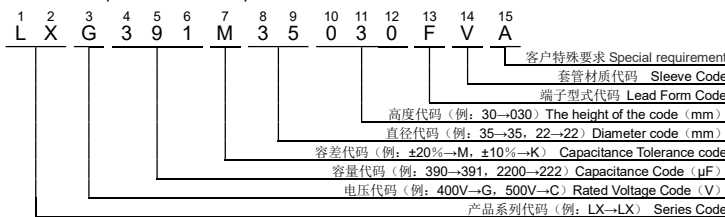
● 常用端子型式代码: Terminal Code



● 记载以外的端子形状, 请另行咨询。Please consult to us for the terminal type not displayed in content.

◆ 产品编码体系 PART NUMBER SYSTEM

● 例如: Example LX 400V390µF Φ35×30 ±20%



◆ 纹波电流修正系数 Rated Ripple Current Multiplies

● 频率修正系数 Frequency coefficient		频率 (Hz) Frequency				
电压范围 (v) Rated voltage	50 (60)	100 (120)	300	1k	≥10k	
	160~250VV	0.80	1.00	1.17	1.32	1.50
	315~450VV	0.70	1.00	1.16	1.30	1.41
● 温度修正系数 Temperature coefficient		温度 (℃) Temperature				
电压范围 (v) Rated voltage	+40	+55	+70	+85		
	160~450VV	1.7	1.5	1.3	1.0	

◆ 产品一览表 Standard Ratings

WV _{dc} (Surge Voltage) (V)	Cap (μ F)	Size D×L (mm)	$\tan\delta$ 20°C 120Hz	Ripple Current 85°C 120Hz (Arms)	Catalog Part Number
160 (200)	560	22×25	0.15	2.25	LXN561M22025□VA
	680	22×30	0.15	2.50	LXN681M22030□VA
	820	22×35	0.15	2.75	LXN821M22035□VA
	1000	22×40	0.15	3.00	LXN102M22040□VA
	1000	25×30	0.15	3.00	LXN102M25030□VA
	1200	22×45	0.15	3.25	LXN122M22045□VA
	1200	25×35	0.15	3.25	LXN122M25035□VA
	1200	30×25	0.15	3.25	LXN122M30025□VA
	1500	22×50	0.15	3.73	LXN152M22050□VA
	1500	25×40	0.15	3.73	LXN152M25040□VA
	1500	30×30	0.15	3.73	LXN152M30030□VA
	1500	35×25	0.15	3.73	LXN152M35025□VA
	1800	25×45	0.15	4.20	LXN182M25045□VA
	1800	30×35	0.15	4.20	LXN182M30035□VA
	1800	35×30	0.15	4.20	LXN182M35030□VA
	2200	30×40	0.15	4.78	LXN222M30040□VA
	2200	35×35	0.15	4.78	LXN222M35035□VA
	2700	35×40	0.15	5.45	LXN272M35040□VA
3300	35×45	0.15	5.75	LXN332M35045□VA	
3900	35×50	0.15	6.00	LXN392M35050□VA	
200 (250)	390	22×25	0.15	1.68	LXL391M22025□VA
	470	22×30	0.15	1.85	LXL471M22030□VA
	560	22×30	0.15	2.43	LXL561M22030□VA
	560	25×25	0.15	2.43	LXL561M25025□VA
	680	22×35	0.15	2.68	LXL681M22035□VA
	680	22×40	0.15	2.68	LXL681M22040□VA
	820	25×30	0.15	2.93	LXL821M25030□VA
	820	30×25	0.15	2.93	LXL821M30025□VA
	820	22×45	0.15	2.93	LXL821M22045□VA
	1000	25×35	0.15	3.25	LXL102M25035□VA
	1000	22×50	0.15	3.25	LXL102M22050□VA
	1000	30×30	0.15	3.25	LXL102M30030□VA
	1000	35×25	0.15	3.25	LXL102M35025□VA
	1200	25×45	0.15	3.50	LXL122M25045□VA
	1200	30×35	0.15	3.50	LXL122M30035□VA
	1200	35×30	0.15	3.50	LXL122M35030□VA
	1500	25×50	0.15	3.87	LXL152M25050□VA
	1500	30×40	0.15	3.87	LXL152M30040□VA
1500	30×45	0.15	3.87	LXL152M30045□VA	
1800	30×50	0.15	4.32	LXL182M30050□VA	
1800	30×50	0.15	4.32	LXL182M30050□VA	
2200	35×40	0.15	4.92	LXL222M35040□VA	
2200	35×45	0.15	4.92	LXL222M35045□VA	
2700	35×50	0.15	5.45	LXL272M35050□VA	
250 (300)	270	22×25	0.15	1.31	LXJ271M22025□VA
	330	22×30	0.15	1.75	LXJ331M22030□VA
	390	22×30	0.15	1.91	LXJ391M22030□VA
	390	25×25	0.15	1.91	LXJ391M25025□VA
	470	22×35	0.15	2.11	LXJ471M22035□VA
	470	25×30	0.15	2.11	LXJ471M25030□VA
	560	22×40	0.15	2.25	LXJ561M22040□VA
	560	25×30	0.15	2.25	LXJ561M25030□VA
	560	30×25	0.15	2.25	LXJ561M30025□VA
	680	22×45	0.15	2.50	LXJ681M22045□VA
	680	25×35	0.15	2.50	LXJ681M25035□VA
	680	30×30	0.15	2.50	LXJ681M30030□VA
820	22×50	0.15	2.77	LXJ821M22050□VA	
820	25×40	0.15	2.77	LXJ821M25040□VA	

WV _{dc} (Surge Voltage) (V)	Cap (μ F)	Size D×L (mm)	$\tan\delta$ 20°C 120Hz	Ripple Current 85°C 120Hz (Arms)	Catalog Part Number	
250 (300)	820	30×30	0.15	2.77	LXJ821M30030□VA	
	820	35×25	0.15	2.77	LXJ821M35025□VA	
	1000	25×45	0.15	3.32	LXJ102M25045□VA	
	1000	30×35	0.15	3.32	LXJ102M30035□VA	
	1000	35×30	0.15	3.32	LXJ102M35030□VA	
	1200	30×40	0.15	3.53	LXJ122M30040□VA	
	1200	35×35	0.15	3.53	LXJ122M35035□VA	
	1500	30×50	0.15	4.04	LXJ152M30050□VA	
	1500	35×40	0.15	4.04	LXJ152M35040□VA	
	1800	35×45	0.15	4.55	LXJ182M35045□VA	
	315 (365)	180	22×25	0.15	1.21	LXI181M22025□VA
		220	22×30	0.15	1.41	LXI221M22030□VA
270		22×30	0.15	1.60	LXI271M22030□VA	
330		22×40	0.15	1.82	LXI331M22040□VA	
330		25×30	0.15	1.82	LXI331M25030□VA	
330		30×25	0.15	1.82	LXI331M30025□VA	
390		22×45	0.15	2.01	LXI391M22045□VA	
390		25×35	0.15	2.01	LXI391M25035□VA	
390		30×30	0.15	2.01	LXI391M30030□VA	
470		22×50	0.15	2.27	LXI471M22050□VA	
470		25×40	0.15	2.27	LXI471M25040□VA	
470		30×30	0.15	2.27	LXI471M30030□VA	
470		35×25	0.15	2.27	LXI471M35025□VA	
560		25×45	0.15	2.56	LXI561M25045□VA	
560		30×35	0.15	2.56	LXI561M30035□VA	
560		35×30	0.15	2.56	LXI561M35030□VA	
680		30×40	0.15	2.87	LXI681M30040□VA	
680		35×35	0.15	2.87	LXI681M35035□VA	
820	30×45	0.15	3.25	LXI821M30045□VA		
820	35×40	0.15	3.25	LXI821M35040□VA		
1000	30×50	0.15	3.63	LXI102M30050□VA		
1000	35×45	0.15	3.63	LXI102M35045□VA		
1200	35×50	0.15	3.95	LXI122M35050□VA		
1500	35×60	0.15	4.60	LXI152M35060□VA		
350 (400)	150	22×25	0.18	1.12	LXH151M22025□VA	
	180	22×30	0.18	1.22	LXH181M22030□VA	
	220	22×35	0.18	1.44	LXH221M22035□VA	
	270	22×40	0.18	1.66	LXH271M22040□VA	
	270	25×30	0.18	1.66	LXH271M25030□VA	
	330	22×45	0.18	1.88	LXH331M22045□VA	
	330	25×35	0.18	1.88	LXH331M25035□VA	
	390	22×50	0.18	2.06	LXH391M22050□VA	
	390	25×40	0.18	2.06	LXH391M25040□VA	
	390	30×30	0.18	2.06	LXH391M30030□VA	
	390	35×25	0.18	2.06	LXH391M35025□VA	
	470	25×45	0.18	2.40	LXH471M25045□VA	
	470	30×35	0.18	2.40	LXH471M30035□VA	
	470	35×30	0.18	2.40	LXH471M35030□VA	
	560	25×50	0.18	2.60	LXH561M25050□VA	
	560	30×40	0.18	2.60	LXH561M30040□VA	
	560	35×30	0.18	2.60	LXH561M35030□VA	
	680	30×45	0.18	2.96	LXH681M30045□VA	
680	35×35	0.18	2.96	LXH681M35035□VA		
820	30×50	0.18	3.25	LXH821M30050□VA		
820	35×45	0.18	3.25	LXH821M35045□VA		
1000	35×50	0.18	3.54	LXH102M35050□VA		
1200	35×55	0.18	4.03	LXH122M35055□VA		
1500	35×65	0.18	4.84	LXH152M35065□VA		

*产品编码中□内为产品端子引出型式代码
*□Enter the appropriate terminal code

◆ 产品一览表 Standard Ratings

WV _{DC} (Surge Voltage) (V)	Cap (μ F)	Size D×L (mm)	$\tan\delta$ 20℃ 120Hz	Ripple Current 85℃ 120Hz (Arms)	Catalog Part Number
400 (450)	120	22×25	0.18	1.02	LXG121M22025□VA
	150	22×30	0.18	1.16	LXG151M22030□VA
	180	22×35	0.18	1.44	LXG181M22035□VA
	220	22×40	0.18	1.49	LXG221M22040□VA
	220	25×30	0.18	1.49	LXG221M25030□VA
	270	22×45	0.18	1.67	LXG271M22045□VA
	270	25×35	0.18	1.67	LXG271M25035□VA
	270	30×25	0.18	1.67	LXG271M30025□VA
	330	22×50	0.18	1.90	LXG331M22050□VA
	330	25×40	0.18	1.90	LXG331M25040□VA
	330	30×30	0.18	1.90	LXG331M30030□VA
	330	35×25	0.18	1.90	LXG331M35025□VA
	390	25×45	0.18	2.13	LXG391M25045□VA
	390	30×35	0.18	2.13	LXG391M30035□VA
	390	35×30	0.18	2.13	LXG391M35030□VA
	470	25×50	0.18	2.39	LXG471M25050□VA
	470	30×40	0.18	2.39	LXG471M30040□VA
	470	35×30	0.18	2.39	LXG471M35030□VA
	560	30×45	0.18	2.69	LXG561M30045□VA
	560	35×35	0.18	2.69	LXG561M35035□VA
680	30×50	0.18	2.96	LXG681M30050□VA	
680	35×40	0.18	2.96	LXG681M35040□VA	
820	35×45	0.18	3.25	LXG821M35045□VA	
1000	35×50	0.18	3.75	LXG102M35050□VA	
1200	35×60	0.18	4.40	LXG122M35060□VA	
1500	35×75	0.18	5.30	LXG152M35075□VA	

WV _{DC} (Surge Voltage) (V)	Cap (μ F)	Size D×L (mm)	$\tan\delta$ 20℃ 120Hz	Ripple Current 85℃ 120Hz (Arms)	Catalog Part Number
450 (500)	82	22×25	0.20	0.83	LXE820M22025□VA
	100	22×25	0.20	0.93	LXE101M22025□VA
	120	22×30	0.20	1.04	LXE121M22030□VA
	150	22×35	0.20	1.19	LXE151M22035□VA
	150	25×25	0.20	1.19	LXE151M25025□VA
	180	22×40	0.20	1.38	LXE181M22040□VA
	180	25×30	0.20	1.35	LXE181M25030□VA
	220	22×45	0.20	1.55	LXE221M22045□VA
	220	25×40	0.20	1.55	LXE221M25040□VA
	220	30×30	0.20	1.55	LXE221M30030□VA
	220	35×25	0.20	1.55	LXE221M35025□VA
	270	22×50	0.20	1.78	LXE271M22050□VA
	270	25×40	0.20	1.78	LXE271M25040□VA
	270	30×30	0.20	1.78	LXE271M30030□VA
	330	25×50	0.20	2.01	LXE331M25050□VA
	330	30×40	0.20	2.01	LXE331M30040□VA
	330	35×30	0.20	2.01	LXE331M35030□VA
	390	30×40	0.20	2.24	LXE391M30040□VA
	390	35×35	0.20	2.24	LXE391M35035□VA
	470	30×45	0.20	2.53	LXE471M30045□VA
	470	35×40	0.20	2.53	LXE471M35040□VA
	560	30×50	0.20	2.82	LXE561M30050□VA
	560	35×45	0.20	2.82	LXE561M35045□VA
	680	35×45	0.20	3.10	LXE681M35045□VA
	820	35×50	0.20	3.60	LXE821M35050□VA
	1000	35×60	0.20	4.30	LXE102M35060□VA

*产品编码中□内为产品端子引出型式代码

*□Enter the appropriate terminal code

*记载之外的体积，请另行咨询。

* Please ask for advice for other sizes.

*铝电解电容器由于承受纹波电流而发热，随着温升而发生性能劣化。请在使用中降低产品承受的纹波电流。

*Aluminum electrolytic capacitor will emit heat when ripple current is applied, the performance will deteriorate when temp. rises. Please reduce the ripple current when using capacitor.