

LPX Series

Features

- Snap-in terminal type
- 105°C, 3000 hours assured, higher ripple current
- RoHS compliant, REACH&SVHC compliant

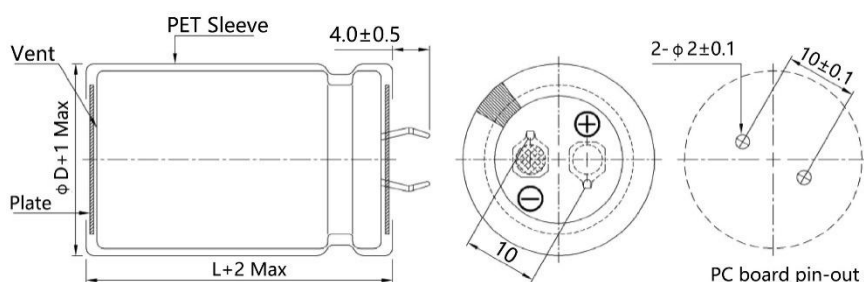


Specifications						
Category Temp. Range	200 ~ 450V					
	-40°C ~ +105°C					
Capacitance Tolerance	±20% (120 Hz / +20 °C)					
Leakage Current	$I \leq 0.01 CV$ or 1.5 mA whichever is smaller (after 5 minutes)					
Tan δ	Please see the attached characteristics list					
Low Temperature Characteristics (Impedance ratio at 120 Hz)	Rated voltage (V)		200~450			
	Z (-25 °C) / Z (+20 °C)		4			
	Z (-40 °C) / Z (+20 °C)		8			
Ripple Current and Frequency Multipliers	Frequency	50/60Hz	120Hz	300Hz	1kHz	10kHz
	Multipliers	0.80	1.00	1.16	1.30	1.41
Ripple Current and Temperature Multipliers	Temperature	+40°C	+55°C	+70°C	+85°C	+105°C
	Multipliers	2.7	2.5	2.1	1.7	1.0

	Useful Life		Load Life	Endurance Test	Shelf Life	
Life Time	5000H	≥100000H	3000H	4000H	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 x30L		
L	PX	2G	331	M	3030		
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	
200	470	22	35	1.53	424	260	0.15	LPX2D471M2235□□
	560	25	35	1.65	355	220	0.15	LPX2D561M2535□□
	680	25	40	1.92	293	180	0.15	LPX2D681M2540□□
	820	30	30	2.10	243	150	0.15	LPX2D821M3030□□
	1000	30	40	2.40	199	120	0.15	LPX2D102M3040□□
		35	35	2.40	199	120	0.15	LPX2D102M3535□□
	1200	30	40	2.71	166	100	0.15	LPX2D122M3040□□
	1500	25	50	3.13	133	80	0.15	LPX2D152M2550□□
	1800	30	50	3.90	111	68	0.15	LPX2D182M3050□□
2200	35	50	4.50	91	56	0.15	LPX2D222M3550□□	
250	330	22	35	1.23	603	380	0.15	LPX2E331M2235□□
		25	30	1.35	603	380	0.15	LPX2E331M2530□□
	470	25	35	1.52	424	268	0.15	LPX2E471M2535□□
		30	30	1.65	424	268	0.15	LPX2E471M3030□□
	560	25	45	1.85	355	225	0.15	LPX2E561M2545□□
	680	25	50	2.20	293	185	0.15	LPX2E681M2550□□
		30	35	2.18	293	185	0.15	LPX2E681M3035□□
	820	30	35	2.25	243	153	0.15	LPX2E821M3035□□
	1000	30	50	2.90	199	125	0.15	LPX2E102M3050□□
		35	40	2.90	199	125	0.15	LPX2E102M3540□□
	1200	35	35	2.97	166	105	0.15	LPX2E122M3535□□
	1500	35	50	3.80	133	85	0.15	LPX2E152M3550□□
400	150	22	40	0.85	1062	575	0.12	LPX2G151M2240□□
		25	35	0.85	1062	575	0.12	LPX2G151M2535□□
	180	22	50	1.00	885	479	0.12	LPX2G181M2250□□
		25	40	1.00	885	479	0.12	LPX2G181M2540□□
	220	25	45	1.20	724	292	0.12	LPX2G221M2545□□
		30	25	1.15	724	292	0.12	LPX2G221M3025□□
	270	22	50	1.25	590	319	0.12	LPX2G271M2250□□
		35	30	1.35	590	319	0.12	LPX2G271M3530□□
	330	25	45	1.44	483	260	0.12	LPX2G331M2545□□
		30	30	1.35	483	260	0.12	LPX2G331M3030□□
	390	25	50	1.72	408	220	0.12	LPX2G391M2550□□
		35	40	1.80	408	220	0.12	LPX2G391M3540□□
	470	30	50	2.00	339	183	0.12	LPX2G471M3050□□
		35	45	2.10	339	183	0.12	LPX2G471M3545□□
	560	35	35	1.98	284	154	0.12	LPX2G561M3535□□
		35	45	2.20	284	154	0.12	LPX2G561M3545□□
		35	50	2.30	284	154	0.12	LPX2G561M3550□□
	680	35	55	2.58	234	127	0.12	LPX2G681M3555□□
	820	35	60	2.84	194	105	0.12	LPX2G821M3560□□

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	150	22	35	0.84	1062	530	0.12	LPX2W151M2235□□
		25	30	0.84	1062	530	0.12	LPX2W151M2530□□
		30	25	0.88	1062	530	0.12	LPX2W151M3025□□
	180	25	30	0.88	885	440	0.12	LPX2W181M2530□□
		30	25	0.92	885	440	0.12	LPX2W181M3025□□
	220	25	40	1.10	724	360	0.12	LPX2W221M2540□□
		30	30	1.10	724	360	0.12	LPX2W221M3030□□
	270	30	30	1.36	590	295	0.12	LPX2W271M3030□□
		30	35	1.41	590	295	0.12	LPX2W271M3035□□
	330	30	30	1.44	483	240	0.12	LPX2W331M3030□□
		30	35	1.49	483	240	0.12	LPX2W331M3035□□
		35	40	1.65	483	240	0.12	LPX2W331M3540□□
	390	25	50	1.67	408	205	0.12	LPX2W391M2550□□
		30	35	1.55	408	205	0.12	LPX2W391M3035□□
		35	30	1.60	408	205	0.12	LPX2W391M3530□□
	470	30	45	1.92	339	170	0.12	LPX2W471M3045□□
		35	40	2.10	339	170	0.12	LPX2W471M3540□□
		35	50	2.20	339	170	0.12	LPX2W471M3550□□
	560	30	50	2.10	284	142	0.12	LPX2W561M3050□□
		35	45	2.30	284	142	0.12	LPX2W561M3545□□
	680	35	50	2.50	234	116	0.12	LPX2W681M3550□□
	820	30	60	2.72	195	95	0.12	LPX2W821M3060□□
		35	60	3.00	195	97	0.12	LPX2W821M3560□□