

LEX Series

Features

- Snap-in terminal type
- 85°C, 5000 hours assured
- RoHS compliant, REACH&SVHC compliant

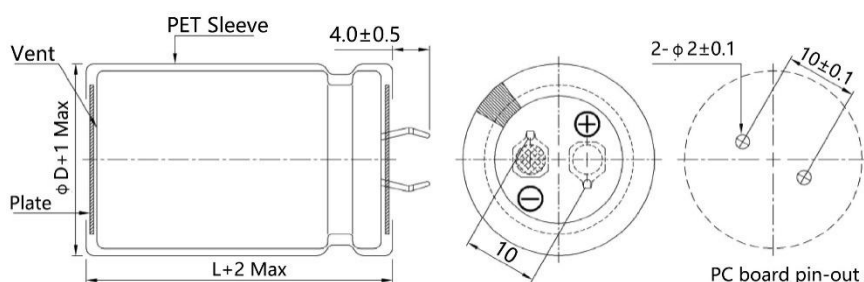


Specifications							
Category Temp. Range	160 ~ 400V			420 ~ 500V			
	-40℃ ~ +85℃			-25℃ ~ +85℃			
Capacitance Tolerance	±20% (120 Hz / +20 ℃)						
Leakage Current	I ≤ 0.01 CV or 1.5 mA whichever is smaller (after 5 minutes)						
Tan δ	Please see the attached characteristics list						
Low Temperature Characteristics (Impedance ratio at 120 Hz)	Rated voltage (V)	160~200		250~400		420~500	
	Z (-25 ℃) / Z (+20 ℃)	3		4		4	
	Z (-40℃) / Z (+20 ℃)	6		8		-	
Ripple Current and Frequency Multipliers							
	<div>Frequency Rated voltage ≥ 160V</div>	50/60Hz	120Hz	300Hz	1kHz	10kHz	≥ 50kHz
		0.80	1.00	1.16	1.30	1.41	1.43
Ripple Current and Temperature Multipliers							
	<div>Temperature Rated voltage ≥ 160V</div>	+40℃	+55℃	+70℃	+85℃		
		1.7	1.5	1.3	1.0		

	Useful Life		Load Life	Endurance Test	Shelf Life	
Life Time	6000H	≥100000H	5000H	5000H	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	$1.2 \times I_R$	I_R	$I_R=0$	$I_R=0$	
Applied Temperature	85°C	40°C	85°C	85°C	85°C	

Dimensions:

Unit: mm



Part Number System:

E-cap	series	400V	330μF	± 20 %	30 Φ x40L		
L	EX	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) 85°C/120Hz	Max ESR (mΩ) 20°C/120Hz	Typ. ESR (mΩ) 20°C/120Hz	tan δ 20°C/120Hz	
160	220	22	25	1	905	633	0.15	LEX2C221M2225□□
	270	22	25	1.1	737	516	0.15	LEX2C271M2225□□
	330	22	25	1.3	603	422	0.15	LEX2C331M2225□□
	390	22	30	1.5	510	357	0.15	LEX2C391M2230□□
		25	25	1.5	510	357	0.15	LEX2C391M2525□□
	470	25	25	1.7	424	297	0.15	LEX2C471M2525□□
	560	22	35	1.9	355	249	0.15	LEX2C561M2235□□
		25	30	1.9	355	249	0.15	LEX2C561M2530□□
	680	22	40	2.1	293	205	0.15	LEX2C681M2240□□
		25	35	2.2	293	205	0.15	LEX2C681M2535□□
	820	25	40	2.4	243	170	0.15	LEX2C821M2540□□
		30	30	2.5	243	170	0.15	LEX2C821M3030□□
	1000	25	45	2.7	199	139	0.15	LEX2C102M2545□□
		30	35	2.8	199	139	0.15	LEX2C102M3035□□
		35	30	2.7	199	139	0.15	LEX2C102M3530□□
	1200	25	50	3.1	166	116	0.15	LEX2C122M2550□□
		30	40	3.2	166	116	0.15	LEX2C122M3040□□
		35	35	3	166	116	0.15	LEX2C122M3535□□
	1500	30	45	3.7	133	93	0.15	LEX2C152M3045□□
		35	40	3.5	133	93	0.15	LEX2C152M3540□□
	1800	35	45	3.9	111	77	0.15	LEX2C182M3545□□
	2200	35	50	4.5	91	63	0.15	LEX2C222M3550□□
180	270	22	25	1.2	737	516	0.15	LEX2K271M2225□□
	330	22	30	1.4	603	422	0.15	LEX2K331M2230□□
	390	25	25	1.5	510	357	0.15	LEX2K391M2525□□
	470	22	35	1.7	424	296	0.15	LEX2K471M2235□□
		25	30	1.7	424	296	0.15	LEX2K471M2530□□
		30	25	1.8	424	296	0.15	LEX2K471M3025□□
	560	22	40	1.9	355	249	0.15	LEX2K561M2240□□
		25	35	2	355	249	0.15	LEX2K561M2535□□
	680	25	40	2.2	293	205	0.15	LEX2K681M2540□□
		30	30	2.3	293	205	0.15	LEX2K681M3030□□
	820	25	45	2.5	243	170	0.15	LEX2K821M2545□□
		30	35	2.6	243	170	0.15	LEX2K821M3035□□
		35	30	2.5	243	170	0.15	LEX2K821M3530□□
	1000	25	50	2.9	199	139	0.15	LEX2K102M2550□□
		30	40	2.9	199	139	0.15	LEX2K102M3040□□
	1200	30	45	3.3	166	116	0.15	LEX2K122M3045□□
		35	35	3.1	166	116	0.15	LEX2K122M3535□□
	1500	35	45	3.6	133	93	0.15	LEX2K152M3545□□
	1800	35	50	4.1	111	77	0.15	LEX2K182M3550□□

Characteristics list

Rated voltage (V)	Capacitance (±20%) (μF)	Case size		Specification				Part Number
		øD (mm)	L (mm)	Rated ripple current (A rms) 85°C/120Hz	Max ESR (mΩ) 20°C/120Hz	Typ. ESR (mΩ) 20°C/120Hz	tan δ 20°C/120Hz	
200	220	22	25	1.1	905	633	0.15	LEX2D221M2225□□
	270	22	25	1.2	737	516	0.15	LEX2D271M2225□□
	330	22	30	1.4	603	422	0.15	LEX2D331M2230□□
		25	25	1.4	603	422	0.15	LEX2D331M2525□□
	390	22	35	1.6	510	357	0.15	LEX2D391M2235□□
		25	30	1.6	510	357	0.15	LEX2D391M2530□□
	470	22	40	1.8	424	296	0.15	LEX2D471M2240□□
		30	25	1.9	424	296	0.15	LEX2D471M3025□□
	560	25	35	2	355	249	0.15	LEX2D561M2535□□
		30	30	2.1	355	249	0.15	LEX2D561M3030□□
	680	25	40	2.3	293	205	0.15	LEX2D681M2540□□
		30	35	2.4	293	205	0.15	LEX2D681M3035□□
	820	25	50	2.6	243	170	0.15	LEX2D821M2550□□
		30	40	2.7	243	170	0.15	LEX2D821M3040□□
		35	30	2.5	243	170	0.15	LEX2D821M3530□□
250	330	22	40	1.4	603	422	0.15	LEX2E331M2240□□
		25	30	1.4	603	422	0.15	LEX2E331M2530□□
	390	22	45	1.6	510	357	0.15	LEX2E391M2245□□
		25	35	1.6	510	357	0.15	LEX2E391M2535□□
	470	25	40	1.8	424	296	0.15	LEX2E471M2540□□
		30	30	1.8	424	296	0.15	LEX2E471M3030□□
	560	25	45	2	355	249	0.15	LEX2E561M2545□□
		30	35	2	355	249	0.15	LEX2E561M3035□□
	680	30	40	2.3	293	205	0.15	LEX2E681M3040□□
		35	30	2.4	293	205	0.15	LEX2E681M3530□□
	820	30	45	2.6	243	170	0.15	LEX2E821M3045□□
		35	35	2.6	243	170	0.15	LEX2E821M3535□□
	1000	35	40	3	199	139	0.15	LEX2E102M3540□□
	1200	35	45	3.4	166	116	0.15	LEX2E122M3545□□
315	180	22	35	0.96	1106	774	0.15	LEX2F181M2235□□
		25	30	0.96	1106	774	0.15	LEX2F181M2530□□
	220	22	40	1.1	905	633	0.15	LEX2F221M2240□□
		25	35	1.1	905	633	0.15	LEX2F221M2535□□
	270	25	40	1.3	737	516	0.15	LEX2F271M2540□□
		30	30	1.3	737	516	0.15	LEX2F271M3030□□
	330	25	45	1.4	603	422	0.15	LEX2F331M2545□□
		30	35	1.4	603	422	0.15	LEX2F331M3035□□
	390	25	50	1.6	510	357	0.15	LEX2F391M2550□□
		30	40	1.6	510	357	0.15	LEX2F391M3040□□
		35	30	1.6	510	357	0.15	LEX2F391M3530□□
	470	30	45	1.8	424	296	0.15	LEX2F471M3045□□
		35	35	1.8	424	296	0.15	LEX2F471M3535□□
	560	30	50	2	355	249	0.15	LEX2F561M3050□□
		35	40	2	355	249	0.15	LEX2F561M3540□□
	680	35	45	2.3	293	205	0.15	LEX2F681M3545□□

Characteristics list

Rated voltage (V)	Capacitance (±20%) (μF)	Case size		Specification				Part Number
		øD (mm)	L (mm)	Rated ripple current (A rms) 85°C/120Hz	Max ESR (mΩ) 20°C/120Hz	Typ. ESR (mΩ) 20°C/120Hz	tan δ 20°C/120Hz	
350	150	22	35	0.94	1327	929	0.15	LEX2V151M2235□□
		25	30	0.94	1327	929	0.15	LEX2V151M2530□□
	180	22	40	1.1	1106	774	0.15	LEX2V181M2240□□
		30	25	1.1	1106	774	0.15	LEX2V181M3025□□
	220	22	45	1.2	905	633	0.15	LEX2V221M2245□□
		25	35	1.2	905	633	0.15	LEX2V221M2535□□
		30	30	1.2	905	633	0.15	LEX2V221M3030□□
	270	25	45	1.4	737	516	0.15	LEX2V271M2545□□
		30	35	1.4	737	516	0.15	LEX2V271M3035□□
	330	25	50	1.6	603	422	0.15	LEX2V331M2550□□
		35	30	1.6	603	422	0.15	LEX2V331M3530□□
	390	30	40	1.7	510	357	0.15	LEX2V391M3040□□
		35	35	1.8	510	357	0.15	LEX2V391M3535□□
	470	30	45	2	424	296	0.15	LEX2V471M3045□□
		35	40	2	424	296	0.15	LEX2V471M3540□□
400	150	22	35	0.9	1327	929	0.15	LEX2G151M2235□□
		25	30	0.89	1327	929	0.15	LEX2G151M2530□□
	180	22	40	1	1106	774	0.15	LEX2G181M2240□□
		25	35	1	1106	774	0.15	LEX2G181M2535□□
		30	25	1.1	1106	774	0.15	LEX2G181M3025□□
	220	25	40	1.2	905	633	0.15	LEX2G221M2540□□
		30	30	1.2	905	633	0.15	LEX2G221M3030□□
	270	25	45	1.3	737	516	0.15	LEX2G271M2545□□
		30	35	1.4	737	516	0.15	LEX2G271M3035□□
	330	30	40	1.6	603	422	0.15	LEX2G331M3040□□
		35	30	1.7	603	422	0.15	LEX2G331M3530□□
	390	30	45	1.8	510	357	0.15	LEX2G391M3045□□
		35	35	1.8	510	357	0.15	LEX2G391M3535□□
	470	30	50	2.1	424	296	0.15	LEX2G471M3050□□
420	120	22	35	0.8	1659	863	0.15	LEX2P121M2235□□
		25	30	0.81	1659	863	0.15	LEX2P121M2530□□
	150	22	35	0.92	1327	690	0.15	LEX2P151M2235□□
		25	30	0.93	1327	690	0.15	LEX2P151M2530□□
	180	25	35	1.1	1106	575	0.15	LEX2P181M2535□□
	220	25	40	1.2	905	471	0.15	LEX2P221M2540□□
		30	30	1.3	905	471	0.15	LEX2P221M3030□□
	270	25	45	1.3	737	383	0.15	LEX2P271M2545□□
		30	35	1.4	737	383	0.15	LEX2P271M3035□□
	330	30	40	1.6	603	314	0.15	LEX2P331M3040□□
	390	30	45	1.9	510	265	0.15	LEX2P391M3045□□
	470	30	50	2.1	424	220	0.15	LEX2P471M3050□□
		35	40	2.2	424	220	0.15	LEX2P471M3540□□
	560	35	45	2.4	355	185	0.15	LEX2P561M3545□□
	680	35	50	2.8	293	153	0.15	LEX2P681M3550□□
	820	35	55	3.2	242	126	0.15	LEX2P821M3555□□

Characteristics list

Rated voltage (V)	Capacitance (±20%) (μF)	Case size		Specification				Part Number
		øD (mm)	L (mm)	Rated ripple current (A rms) 85°C/120Hz	Max ESR (mΩ) 20°C/120Hz	Typ. ESR (mΩ) 20°C/120Hz	tan δ 20°C/120Hz	
450	120	22	35	0.8	1659	1161	0.15	LEX2W121M2235□□
		25	30	0.83	1659	1161	0.15	LEX2W151M2530□□
	150	22	40	0.95	1327	929	0.15	LEX2W151M2240□□
		25	35	0.95	1327	929	0.15	LEX2W181M2535□□
	180	25	35	1.1	1106	774	0.15	LEX2W181M2535□□
		30	25	1.1	1106	774	0.15	LEX2W221M3025□□
	220	25	40	1.2	905	633	0.15	LEX2W221M2540□□
		30	30	1.3	905	633	0.15	LEX2W221M3030□□
	270	30	35	1.4	737	516	0.15	LEX2W271M3035□□
		35	30	1.5	737	516	0.15	LEX2W271M3530□□
	330	30	40	1.7	603	423	0.15	LEX2W331M3040□□
		35	30	1.8	603	423	0.15	LEX2W331M3530□□
	390	35	35	1.9	510	357	0.15	LEX2W391M3535□□
	470	35	40	2.2	424	296	0.15	LEX2W471M3540□□
	560	35	45	2.4	356	285	0.15	LEX2W561M3545□□
	680	35	50	2.8	293	235	0.15	LEX2W681M3550□□
500	820	35	60	3.2	242	194	0.15	LEX2W821M3560□□
	1000	35	70	3.9	199	139	0.15	LEX2W102M3570□□
	100	25	30	0.9	1990	1592	0.15	LEX2H101M2530□□
	120	25	35	1	1658	1327	0.15	LEX2H121M2535□□
	150	25	35	1.2	1327	1062	0.15	LEX2H151M2535□□
		30	30	1.2	1327	1062	0.15	LEX2H151M3030□□
	180	30	30	1.4	1106	885	0.15	LEX2H181M3030□□
	220	30	35	1.6	905	724	0.15	LEX2H221M3035□□
	270	30	40	1.8	737	590	0.15	LEX2H271M3040□□
		35	30	1.7	737	590	0.15	LEX2H271M3530□□
	330	30	45	2	603	483	0.15	LEX2H331M3045□□
		35	35	1.9	603	483	0.15	LEX2H331M3535□□
	390	35	40	2.3	511	409	0.15	LEX2H391M3540□□
	470	30	50	2.4	424	339	0.15	LEX2H471M3050□□
	470	35	45	2.5	424	339	0.15	LEX2H471M3545□□
	560	35	50	2.8	356	285	0.15	LEX2H561M3550□□
	680	35	55	3.2	293	235	0.15	LEX2H681M3555□□
	820	35	60	3.5	242	194	0.15	LEX2H821M3560□□