

LTX Series

Features

- Snap-in terminal type
- 105°C, 5000 hours assured, higher ripple current
- RoHS compliant, REACH&SVHC compliant

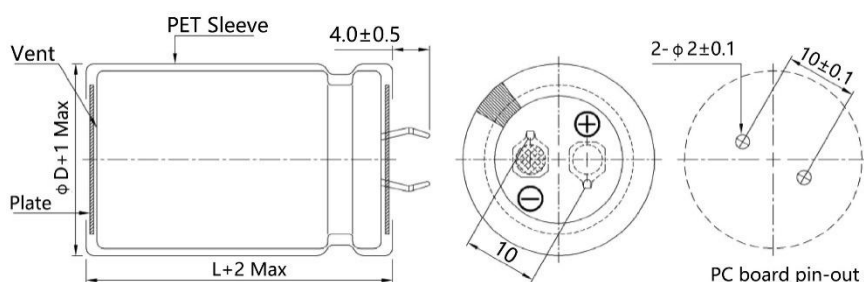


Specifications							
Category Temp. Range	160 ~ 420V			450 ~ 550V			
	-40℃ ~ +105℃			-25℃ ~ +105℃			
Capacitance Tolerance	±20% (120 Hz / +20 ℃)						
Leakage Current	I ≤ 0.01 CV or 1.5 mA whichever is smaller (after 5 minutes)						
Tan δ	Please see the attached characteristics list						
Low Temperature Characteristics (Impedance ratio at 120 Hz)	Rated voltage (V)	160~250		315~420		450~550	
	Z (-25 ℃) / Z (+20 ℃)	4		7		10	
	Z (-40 ℃) / Z (+20 ℃)	8		12		-	
Ripple Current and Frequency Multipliers	Frequency	50/60Hz	120Hz	300Hz	1kHz	10kHz	≥ 50kHz
	Rated voltage						
	160~250V	0.80	1.00	1.17	1.32	1.45	1.50
	≥ 315V	0.80	1.00	1.16	1.30	1.41	1.43
Ripple Current and Temperature Multipliers	Temperature	+40℃	+55℃	+70℃	+85℃	+105℃	
	Multipliers	3.0	2.8	2.5	2.0	1.0	

	Useful Life		Load Life	Endurance Test	Shelf Life	
Life Time	10000H	≥250000H	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	105°C	40°C	105°C	105°C	105°C	

Dimensions:

Unit: mm



Part Number System:

E-cap	series	400V	330μF	± 20 %	30 Φ x30L		
L	TX	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	
160	1000	22	40	2.4	199	119	0.15	LTX2C102M2240□□
		25	35	2.4	199	119	0.15	LTX2C102M2535□□
		30	25	2.5	199	119	0.15	LTX2C102M3025□□
	1200	25	40	2.8	166	100	0.15	LTX2C122M2540□□
		30	30	2.8	166	100	0.15	LTX2C122M3030□□
		35	25	2.8	166	100	0.15	LTX2C122M3525□□
	1500	25	45	3.1	133	80	0.15	LTX2C152M2545□□
		25	50	3.1	133	80	0.15	LTX2C152M2550□□
		30	35	3.2	133	80	0.15	LTX2C152M3035□□
	1800	25	50	3.6	111	66	0.15	LTX2C182M2550□□
		30	40	3.6	111	66	0.15	LTX2C182M3040□□
		35	30	3.5	111	66	0.15	LTX2C182M3530□□
	2200	30	45	4.1	90	54	0.15	LTX2C222M3045□□
		30	50	4.1	90	54	0.15	LTX2C222M3050□□
		35	35	4	90	54	0.15	LTX2C222M3535□□
		35	50	4	90	54	0.15	LTX2C222M3550□□
	2700	35	40	4.6	74	44	0.15	LTX2C272M3540□□
		35	45	4.8	74	44	0.15	LTX2C272M3545□□
	3300	35	50	5.4	60	36	0.15	LTX2C332M3550□□
200	680	22	40	1.9	293	176	0.15	LTX2D681M2240□□
		25	30	1.9	293	176	0.15	LTX2D681M2530□□
		30	25	1.9	293	176	0.15	LTX2D681M3025□□
	820	22	45	2.2	243	146	0.15	LTX2D821M2245□□
		25	35	2.2	243	146	0.15	LTX2D821M2535□□
	1000	25	40	2.5	199	119	0.15	LTX2D102M2540□□
		30	30	2.5	199	119	0.15	LTX2D102M3030□□
		35	25	2.7	199	119	0.15	LTX2D102M3525□□
		35	30	2.7	199	119	0.15	LTX2D102M3530□□
	1200	25	45	2.7	166	100	0.15	LTX2D122M2545□□
		30	35	2.8	166	100	0.15	LTX2D122M3035□□
		30	50	2.8	166	100	0.15	LTX2D122M3050□□
		35	30	3	166	100	0.15	LTX2D122M3530□□
	1500	30	40	3.3	133	80	0.15	LTX2D152M3040□□
		30	45	3.3	133	80	0.15	LTX2D152M3045□□
		35	35	3.4	133	80	0.15	LTX2D152M3535□□
	1800	30	50	3.7	111	66	0.15	LTX2D182M3050□□
		35	40	3.8	111	66	0.15	LTX2D182M3540□□
		35	45	3.8	111	66	0.15	LTX2D182M3545□□
	2200	35	45	4.3	90	54	0.15	LTX2D222M3545□□
		35	50	4.3	90	54	0.15	LTX2D222M3550□□
	2700	35	50	4.9	74	44	0.15	LTX2D272M3550□□

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	470	22	40	1.6	423	254	0.15	LTX2E471M2240□□
		25	30	1.6	423	254	0.15	LTX2E471M2530□□
	560	22	45	1.8	355	213	0.15	LTX2E561M2245□□
		25	35	1.8	355	213	0.15	LTX2E561M2535□□
		30	25	1.8	355	213	0.15	LTX2E561M3025□□
	680	25	40	2	293	176	0.15	LTX2E681M2540□□
		30	30	2.1	293	176	0.15	LTX2E681M3030□□
		35	25	2.2	293	176	0.15	LTX2E681M3525□□
	820	25	45	2.3	243	146	0.15	LTX2E821M2545□□
		30	35	2.4	243	146	0.15	LTX2E821M3035□□
		35	30	2.5	243	146	0.15	LTX2E821M3530□□
	1000	30	40	2.7	199	119	0.15	LTX2E102M3040□□
	1200	30	45	3	166	100	0.15	LTX2E122M3045□□
		35	35	3	166	100	0.15	LTX2E122M3535□□
		35	40	3.2	166	100	0.15	LTX2E122M3540□□
315	1500	35	45	3.6	133	80	0.15	LTX2E152M3545□□
	1800	35	50	4	111	66	0.15	LTX2E182M3550□□
	330	22	40	1.4	603	362	0.15	LTX2F331M2240□□
	390	22	45	1.6	510	306	0.15	LTX2F391M2245□□
		22	50	1.6	510	306	0.15	LTX2F391M2250□□
		25	35	1.6	510	306	0.15	LTX2F391M2535□□
	470	25	40	1.8	423	254	0.15	LTX2F471M2540□□
		30	30	1.8	423	254	0.15	LTX2F471M3030□□
		35	25	1.8	423	254	0.15	LTX2F471M3525□□
	560	25	50	2	355	213	0.15	LTX2F561M2550□□
		30	35	1.9	355	213	0.15	LTX2F561M3035□□
		35	30	2	355	213	0.15	LTX2F561M3530□□
	680	30	40	2.2	293	176	0.15	LTX2F681M3040□□
		30	45	2.3	293	176	0.15	LTX2F681M3045□□
		35	35	2.2	293	176	0.15	LTX2F681M3535□□
	820	30	50	2.5	243	146	0.15	LTX2F821M3050□□
		35	40	2.6	243	146	0.15	LTX2F821M3540□□
	1000	35	45	2.9	199	119	0.15	LTX2F102M3545□□
	1200	35	50	3.3	166	100	0.15	LTX2F122M3550□□
		35	55	3.3	166	100	0.15	LTX2F122M3555□□

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	
350	220	22	40	1	905	543	0.15	LTX2V221M2240□□
		25	30	1	905	543	0.15	LTX2V221M2530□□
		30	25	1	905	543	0.15	LTX2V221M3025□□
	270	22	45	1.3	737	442	0.15	LTX2V271M2245□□
		22	50	1.3	737	442	0.15	LTX2V271M2250□□
		25	35	1.3	737	442	0.15	LTX2V271M2535□□
		30	30	1.3	737	442	0.15	LTX2V271M3030□□
	330	22	50	1.4	603	362	0.15	LTX2V331M2250□□
		25	40	1.4	603	362	0.15	LTX2V331M2540□□
		30	30	1.4	603	362	0.15	LTX2V331M3030□□
	390	25	40	1.6	510	306	0.15	LTX2V391M2540□□
		25	45	1.6	510	306	0.15	LTX2V391M2545□□
		30	35	1.6	510	306	0.15	LTX2V391M3035□□
	470	25	45	1.8	423	254	0.15	LTX2V471M2545□□
		30	35	1.8	423	254	0.15	LTX2V471M3035□□
		35	35	1.8	423	254	0.15	LTX2V471M3535□□
	560	30	45	2	355	213	0.15	LTX2V561M3045□□
		35	35	2	355	213	0.15	LTX2V561M3535□□
	680	30	50	2.4	293	176	0.15	LTX2V681M3050□□
		35	40	2.4	293	176	0.15	LTX2V681M3540□□
	820	35	45	2.6	243	146	0.15	LTX2V821M3545□□
		35	50	2.6	243	146	0.15	LTX2V821M3550□□
	1000	35	50	2.8	199	119	0.15	LTX2V102M3550□□
400	220	22	40	1.1	905	483	0.15	LTX2G221M2240□□
		25	30	1.1	905	483	0.15	LTX2G221M2530□□
		30	25	1.2	905	483	0.15	LTX2G221M3025□□
	270	22	50	1.3	737	393	0.15	LTX2G271M2250□□
		25	35	1.3	737	393	0.15	LTX2G271M2535□□
		30	30	1.3	737	393	0.15	LTX2G271M3030□□
	330	25	40	1.5	603	322	0.15	LTX2G331M2540□□
		30	30	1.4	603	322	0.15	LTX2G331M3030□□
		35	25	1.5	603	322	0.15	LTX2G331M3525□□
	390	25	45	1.6	510	272	0.15	LTX2G391M2545□□
		30	35	1.6	510	357	0.15	LTX2G391M3035□□
		35	30	1.7	510	272	0.15	LTX2G391M3530□□
	470	30	45	1.8	423	226	0.15	LTX2G471M3045□□
		35	35	1.9	423	226	0.15	LTX2G471M3535□□
	560	30	50	2.1	355	190	0.15	LTX2G561M3050□□
		35	40	2.1	355	190	0.15	LTX2G561M3540□□
	680	35	45	2.4	293	156	0.15	LTX2G681M3545□□
	820	35	50	2.7	243	170	0.15	LTX2G821M3550□□
	1000	35	60	3.2	199	106	0.15	LTX2G102M3560□□
	1200	35	70	3.7	166	88	0.15	LTX2G122M3570□□

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	
420	180	22	40	1	1106	627	0.15	LTX2P181M2240□□
		25	30	1	1106	627	0.15	LTX2P181M2530□□
		30	25	1.1	1106	627	0.15	LTX2P181M3025□□
	220	22	45	1.2	905	513	0.15	LTX2P221M2245□□
		22	50	1.2	905	513	0.15	LTX2P221M2250□□
		25	35	1.2	905	513	0.15	LTX2P221M2535□□
		30	30	1.2	905	513	0.15	LTX2P221M3030□□
	270	25	40	1.3	737	418	0.15	LTX2P271M2540□□
		30	30	1.3	737	418	0.15	LTX2P271M3030□□
		35	25	1.4	737	418	0.15	LTX2P271M3525□□
	330	25	50	1.5	603	342	0.15	LTX2P331M2550□□
		30	35	1.5	603	342	0.15	LTX2P331M3035□□
		35	30	1.6	603	342	0.15	LTX2P331M3530□□
	390	30	40	1.7	510	289	0.15	LTX2P391M3040□□
		35	30	1.7	510	289	0.15	LTX2P391M3530□□
		35	35	1.7	510	289	0.15	LTX2P391M3535□□
	470	30	50	1.9	423	240	0.15	LTX2P471M3050□□
		35	40	2	423	240	0.15	LTX2P471M3540□□
	560	35	40	2.2	355	201	0.15	LTX2P561M3540□□
	680	35	50	2.5	293	166	0.15	LTX2P681M3550□□
	820	35	55	3	243	138	0.15	LTX2P821M3555□□
	1000	35	65	3.4	199	113	0.15	LTX2P102M3565□□
	1200	35	75	3.8	166	94	0.15	LTX2P122M3575□□
450	150	22	40	0.9	1769	708	0.20	LTX2W151M2240□□
		25	30	0.9	1769	708	0.20	LTX2W151M2530□□
	180	22	45	1.1	1474	590	0.20	LTX2W181M2245□□
		25	35	1.1	1474	590	0.20	LTX2W181M2535□□
		30	25	1.1	1474	590	0.20	LTX2W181M3025□□
	220	22	50	1.2	1206	483	0.20	LTX2W221M2250□□
		25	40	1.2	1206	483	0.20	LTX2W221M2540□□
		30	30	1.2	1206	483	0.20	LTX2W221M3030□□
	270	25	45	1.3	983	393	0.20	LTX2W271M2545□□
		30	35	1.3	983	393	0.20	LTX2W271M3035□□
		35	30	1.4	983	393	0.20	LTX2W271M3530□□
	330	30	40	1.5	804	322	0.20	LTX2W331M3040□□
	390	30	45	1.7	680	272	0.20	LTX2W391M3045□□
		35	35	1.7	680	272	0.20	LTX2W391M3535□□
		35	40	1.7	680	272	0.20	LTX2W391M3540□□
	470	35	40	2	565	226	0.20	LTX2W471M3540□□
		35	45	2	565	226	0.20	LTX2W471M3545□□
		35	50	2	565	226	0.20	LTX2W471M3550□□
	560	35	50	2.2	474	190	0.20	LTX2W561M3550□□
	680	35	55	2.6	390	156	0.20	LTX2W681M3555□□
		35	60	2.6	390	156	0.20	LTX2W681M3560□□
	820	35	65	3	324	129	0.20	LTX2W821M3565□□
	1000	35	75	3.4	265	106	0.20	LTX2W102M3575□□
		40	65	3.4	265	106	0.20	LTX2W102M4065□□
	1200	40	75	3.7	221	88	0.20	LTX2W122M4075□□

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	
500	100	25	30	0.8	2654	1062	0.20	LTX2H101M2530□□
	120	25	35	0.9	2212	885	0.20	LTX2H121M2535□□
		30	30	0.9	2212	885	0.20	LTX2H121M3030□□
	150	30	30	1	1769	708	0.20	LTX2H151M3030□□
	180	30	35	1.2	1474	590	0.20	LTX2H181M3035□□
	220	25	50	1.3	1206	483	0.20	LTX2H221M2550□□
		30	40	1.3	1206	483	0.20	LTX2H221M3040□□
		35	35	1.2	1206	483	0.20	LTX2H221M3535□□
	270	30	50	1.5	983	393	0.20	LTX2H271M3050□□
		35	40	1.5	983	393	0.20	LTX2H271M3540□□
	330	35	45	1.6	804	322	0.20	LTX2H331M3545□□
	390	35	50	1.8	680	272	0.20	LTX2H391M3550□□
	470	35	55	2	565	226	0.20	LTX2H471M3555□□
		35	60	2	565	226	0.20	LTX2H471M3560□□
	560	35	65	2.2	474	190	0.20	LTX2H561M3565□□
		40	50	2.2	474	190	0.20	LTX2H561M4050□□
	680	35	70	2.4	390	156	0.20	LTX2H681M3570□□
		40	60	2.4	390	156	0.20	LTX2H681M4060□□
	820	40	70	2.6	324	129	0.20	LTX2H821M4070□□
550	270	35	50	1.43	1229	590	0.25	LTX2L271M3550□□
	330	35	60	1.54	1005	483	0.25	LTX2L331M3560□□
	390	35	65	1.76	851	408	0.25	LTX2L391M3565□□
	470	35	70	1.98	706	339	0.25	LTX2L471M3570□□
		40	65	1.98	706	339	0.25	LTX2L471M4065□□
	560	35	80	2.2	592	284	0.25	LTX2L561M3580□□
		40	70	2.2	592	284	0.25	LTX2L561M4070□□
	680	40	80	2.53	488	234	0.25	LTX2L681M4080□□