LXG Series

- Endurance with ripple current : 5,000 hours at 105℃
- Non solvent resistant type
- **RoHS Compliant**



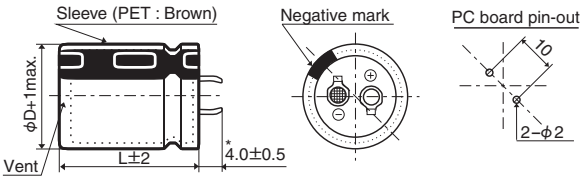


◆SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	−40 to +105℃								
Rated Voltage Range	10 to 100Vdc								(at 20℃, 120Hz)
Capacitance Tolerance	±20% (M)								
Leakage Current	I=0.02CV or 3mA, whichever is smaller. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)								(at 20℃ after 5 minutes)
Dissipation Factor (tanδ)	Rated voltage (Vdc)	10V	16V	25V	35V	50V	63V	80 & 100V	
	tanδ (Max.)	0.60	0.45	0.30	0.25	0.20	0.15	0.15	(at 20℃, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Capacitance change : Capacitance at the lowest operating temperature shall not be less than 70% of the 20℃ value.								
	Rated voltage (Vdc)	10V	16V	25V	35V	50V	63V	80 & 100V	
	Z(−25℃)/Z(+20℃)	4	4	3	3	2	2	2	
	Z(−40℃)/Z(+20℃)	15	15	10	8	6	6	5	(at 120Hz)
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 105℃.								
	Capacitance change	≦±25% of the initial value							
	D.F. (tanδ)	≦250% of the initial specified value							
	Leakage current	≦The initial specified value							
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 500 hours at 105℃ without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.								
	Capacitance change	≦±20% of the initial value							
	D.F. (tanδ)	≦150% of the initial specified value							
	Leakage current	≦The initial specified value							

◆DIMENSIONS [mm]

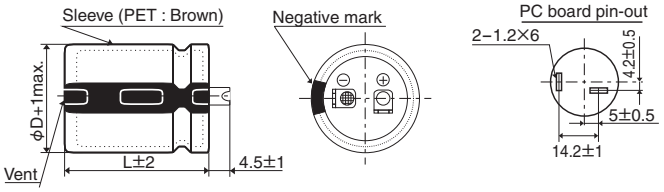
●Terminal Code : VS (φ22 to φ35) : Standard



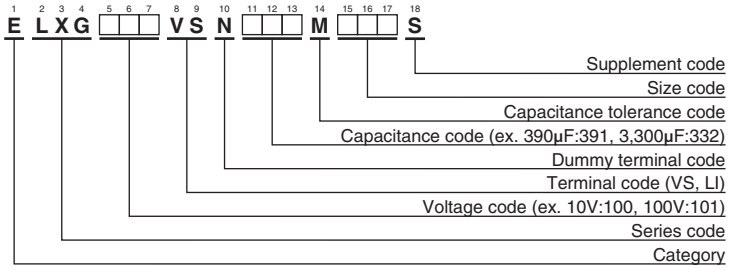
*φD=35mm : 3.5±0.5mm

The standard design has no plastic disc.

●Terminal Code : LI (φ35)



◆PART NUMBERING SYSTEM



Please refer to "Product code guide (snap-in type)"

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

Frequency (Hz)	50	120	300	1k	10k	50k
10 to 50Vdc	0.95	1.00	1.03	1.05	1.08	1.08
63 to 100Vdc	0.92	1.00	1.07	1.13	1.19	1.20

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5℃ rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

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LXG Series

◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/ 105℃,120Hz)	Part No.
10	6,800	22×25	0.60	1.30	ELXG100VSN682MP25S
	10,000	22×30	0.60	1.65	ELXG100VSN103MP30S
	10,000	25.4×25	0.60	1.64	ELXG100VSN103MQ25S
	12,000	22×35	0.60	1.85	ELXG100VSN123MP35S
	12,000	25.4×30	0.60	1.85	ELXG100VSN123MQ30S
	12,000	30×25	0.60	1.89	ELXG100VSN123MR25S
	15,000	22×40	0.60	2.12	ELXG100VSN153MP40S
	15,000	25.4×35	0.60	2.16	ELXG100VSN153MQ35S
	18,000	22×50	0.60	2.45	ELXG100VSN183MP50S
	18,000	25.4×40	0.60	2.43	ELXG100VSN183MQ40S
	18,000	30×30	0.60	2.37	ELXG100VSN183MR30S
	18,000	35×25	0.60	2.42	ELXG100VSN183MA25S
	22,000	30×35	0.60	2.73	ELXG100VSN223MR35S
	22,000	35×30	0.60	2.79	ELXG100VSN223MA30S
	27,000	25.4×50	0.60	3.11	ELXG100VSN273MQ50S
	27,000	30×40	0.60	3.13	ELXG100VSN273MR40S
	33,000	35×35	0.60	3.49	ELXG100VSN333MA35S
	39,000	30×50	0.60	3.99	ELXG100VSN393MR50S
	39,000	35×40	0.60	3.96	ELXG100VSN393MA40S
	47,000	35×50	0.60	4.62	ELXG100VSN473MA50S
16	5,600	22×25	0.45	1.44	ELXG160VSN562MP25S
	6,800	22×30	0.45	1.66	ELXG160VSN682MP30S
	6,800	25.4×25	0.45	1.66	ELXG160VSN682MQ25S
	8,200	22×35	0.45	1.87	ELXG160VSN822MP35S
	10,000	22×40	0.45	2.12	ELXG160VSN103MP40S
	10,000	25.4×30	0.45	2.07	ELXG160VSN103MQ30S
	10,000	30×25	0.45	2.11	ELXG160VSN103MR25S
	12,000	25.4×35	0.45	2.37	ELXG160VSN123MQ35S
	12,000	30×30	0.45	2.37	ELXG160VSN123MR30S
	12,000	35×25	0.45	2.42	ELXG160VSN123MA25S
	15,000	22×50	0.45	2.74	ELXG160VSN153MP50S
	15,000	25.4×40	0.45	2.71	ELXG160VSN153MQ40S
	18,000	25.4×50	0.45	3.11	ELXG160VSN183MQ50S
	18,000	30×35	0.45	3.02	ELXG160VSN183MR35S
	18,000	35×30	0.45	3.09	ELXG160VSN183MA30S
	22,000	30×40	0.45	3.46	ELXG160VSN223MR40S
	22,000	35×35	0.45	3.49	ELXG160VSN223MA35S
	27,000	30×50	0.45	4.07	ELXG160VSN273MR50S
	27,000	35×40	0.45	4.04	ELXG160VSN273MA40S
	39,000	35×50	0.45	5.16	ELXG160VSN393MA50S
25	3,900	22×25	0.30	1.31	ELXG250VSN392MP25S
	4,700	22×30	0.30	1.51	ELXG250VSN472MP30S
	4,700	25.4×25	0.30	1.51	ELXG250VSN472MQ25S
	5,600	22×35	0.30	1.70	ELXG250VSN562MP35S
	6,800	22×40	0.30	1.92	ELXG250VSN682MP40S
	6,800	25.4×30	0.30	1.87	ELXG250VSN682MQ30S
	6,800	30×25	0.30	1.90	ELXG250VSN682MR25S
	8,200	25.4×35	0.30	2.14	ELXG250VSN822MQ35S
	8,200	30×30	0.30	2.15	ELXG250VSN822MR30S
	8,200	35×25	0.30	2.19	ELXG250VSN822MA25S
	10,000	22×50	0.30	2.45	ELXG250VSN103MP50S
	10,000	25.4×40	0.30	2.43	ELXG250VSN103MQ40S
	12,000	25.4×50	0.30	2.78	ELXG250VSN123MQ50S
	12,000	30×35	0.30	2.70	ELXG250VSN123MR35S
	12,000	35×30	0.30	2.76	ELXG250VSN123MA30S
	15,000	30×40	0.30	3.13	ELXG250VSN153MR40S
	15,000	35×35	0.30	3.16	ELXG250VSN153MA35S
	18,000	30×50	0.30	3.64	ELXG250VSN183MR50S
	18,000	35×40	0.30	3.61	ELXG250VSN183MA40S
	27,000	35×50	0.30	4.70	ELXG250VSN273MA50S
35	2,200	22×25	0.25	1.10	ELXG350VSN222MP25S
	3,300	22×30	0.25	1.42	ELXG350VSN332MP30S
	3,300	25.4×25	0.25	1.41	ELXG350VSN332MQ25S
	3,900	22×35	0.25	1.58	ELXG350VSN392MP35S
	3,900	25.4×30	0.25	1.58	ELXG350VSN392MQ30S
	4,700	22×40	0.25	1.78	ELXG350VSN472MP40S
	4,700	30×25	0.25	1.77	ELXG350VSN472MR25S

WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/ 105℃,120Hz)	Part No.
35	5,600	25.4×35	0.25	1.98	ELXG350VSN562MQ35S
	5,600	30×30	0.25	1.98	ELXG350VSN562MR30S
	5,600	35×25	0.25	2.03	ELXG350VSN562MA25S
	6,800	22×50	0.25	2.26	ELXG350VSN682MP50S
	6,800	25.4×40	0.25	2.24	ELXG350VSN682MQ40S
	8,200	25.4×50	0.25	2.57	ELXG350VSN822MQ50S
	8,200	30×35	0.25	2.50	ELXG350VSN822MR35S
	8,200	35×30	0.25	2.55	ELXG350VSN822MA30S
	10,000	30×40	0.25	2.86	ELXG350VSN103MR40S
	10,000	35×35	0.25	2.88	ELXG350VSN103MA35S
	12,000	30×50	0.25	3.32	ELXG350VSN123MR50S
	12,000	35×40	0.25	3.30	ELXG350VSN123MA40S
	18,000	35×50	0.25	4.29	ELXG350VSN183MA50S
50	1,500	22×25	0.20	1.02	ELXG500VSN152MP25S
	1,800	22×30	0.20	1.17	ELXG500VSN182MP30S
	1,800	25.4×25	0.20	1.17	ELXG500VSN182MQ25S
	2,200	22×35	0.20	1.33	ELXG500VSN222MP35S
	2,700	22×40	0.20	1.51	ELXG500VSN272MP40S
	2,700	25.4×30	0.20	1.47	ELXG500VSN272MQ30S
	2,700	30×25	0.20	1.50	ELXG500VSN272MR25S
	3,300	25.4×35	0.20	1.70	ELXG500VSN332MQ35S
	3,300	30×30	0.20	1.70	ELXG500VSN332MR30S
	3,300	35×25	0.20	1.74	ELXG500VSN332MA25S
	3,900	22×50	0.20	1.91	ELXG500VSN392MP50S
	3,900	25.4×40	0.20	1.89	ELXG500VSN392MQ40S
	4,700	30×35	0.20	2.11	ELXG500VSN472MR35S
	4,700	35×30	0.20	2.16	ELXG500VSN472MA30S
	5,600	25.4×50	0.20	2.38	ELXG500VSN562MQ50S
	5,600	30×40	0.20	2.39	ELXG500VSN562MR40S
	5,600	35×35	0.20	2.41	ELXG500VSN562MA35S
	6,800	30×50	0.20	2.79	ELXG500VSN682MR50S
	6,800	35×40	0.20	2.78	ELXG500VSN682MA40S
	10,000	35×50	0.20	3.57	ELXG500VSN103MA50S
63	1,000	22×25	0.15	1.00	ELXG630VSN102MP25S
	1,200	22×30	0.15	1.15	ELXG630VSN122MP30S
	1,200	25.4×25	0.15	1.15	ELXG630VSN122MQ25S
	1,500	22×35	0.15	1.32	ELXG630VSN152MP35S
	1,800	22×40	0.15	1.49	ELXG630VSN182MP40S
	1,800	25.4×30	0.15	1.45	ELXG630VSN182MQ30S
	1,800	30×25	0.15	1.48	ELXG630VSN182MR25S
	2,200	25.4×35	0.15	1.67	ELXG630VSN222MQ35S
	2,200	30×30	0.15	1.68	ELXG630VSN222MR30S
	2,200	35×25	0.15	1.71	ELXG630VSN222MA25S
	2,700	22×50	0.15	1.92	ELXG630VSN272MP50S
	2,700	25.4×40	0.15	1.90	ELXG630VSN272MQ40S
	2,700	30×35	0.15	1.93	ELXG630VSN272MR35S
	3,300	25.4×50	0.15	2.20	ELXG630VSN332MQ50S
	3,300	35×30	0.15	2.18	ELXG630VSN332MA30S
	3,900	30×40	0.15	2.41	ELXG630VSN392MR40S
	3,900	35×35	0.15	2.43	ELXG630VSN392MA35S
	4,700	30×50	0.15	2.80	ELXG630VSN472MR50S
	4,700	35×40	0.15	2.78	ELXG630VSN472MA40S
	6,800	35×50	0.15	3.55	ELXG630VSN682MA50S
80	680	22×25	0.15	0.97	ELXG800VSN681MP25S
	820	22×30	0.15	1.12	ELXG800VSN821MP30S
	1,000	22×35	0.15	1.27	ELXG800VSN102MP35S
	1,000	25.4×25	0.15	1.23	ELXG800VSN102MQ25S
	1,200	22×40	0.15	1.42	ELXG800VSN122MP40S
	1,200	25.4×30	0.15	1.39	ELXG800VSN122MQ30S
	1,200	30×25	0.15	1.41	ELXG800VSN122MR25S
	1,500	25.4×35	0.15	1.62	ELXG800VSN152MQ35S
	1,800	22×50	0.15	1.84	ELXG800VSN182MP50S
	1,800	25.4×40	0.15	1.82	ELXG800VSN182MQ40S
	1,800	30×30	0.15	1.78	ELXG800VSN182MR30S
	1,800	35×25	0.15	1.82	ELXG800VSN182MA25S
	2,200	25.4×50	0.15	2.11	ELXG800VSN222MQ50S
	2,200	30×35	0.15	2.05	ELXG800VSN222MR35S

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WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/ 105℃,120Hz)	Part No.
80	2,200	35 × 30	0.15	2.09	ELXG800VSN222MA30S
	2,700	30 × 40	0.15	2.35	ELXG800VSN272MR40S
	2,700	35 × 35	0.15	2.37	ELXG800VSN272MA35S
	3,300	30 × 50	0.15	2.75	ELXG800VSN332MR50S
	3,300	35 × 40	0.15	2.73	ELXG800VSN332MA40S
	4,700	35 × 50	0.15	3.46	ELXG800VSN472MA50S
100	390	22 × 25	0.15	0.78	ELXG101VSN391MP25S
	560	22 × 30	0.15	0.99	ELXG101VSN561MP30S
	560	25.4 × 25	0.15	0.98	ELXG101VSN561MQ25S
	680	22 × 35	0.15	1.12	ELXG101VSN681MP35S
	820	22 × 40	0.15	1.26	ELXG101VSN821MP40S
	820	25.4 × 30	0.15	1.23	ELXG101VSN821MQ30S
	820	30 × 25	0.15	1.25	ELXG101VSN821MR25S

WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/ 105℃,120Hz)	Part No.
100	1,000	25.4 × 35	0.15	1.41	ELXG101VSN102MQ35S
	1,000	30 × 30	0.15	1.42	ELXG101VSN102MR30S
	1,000	35 × 25	0.15	1.45	ELXG101VSN102MA25S
	1,200	22 × 50	0.15	1.60	ELXG101VSN122MP50S
	1,200	25.4 × 40	0.15	1.59	ELXG101VSN122MQ40S
	1,200	30 × 35	0.15	1.61	ELXG101VSN122MR35S
	1,500	25.4 × 50	0.15	1.86	ELXG101VSN152MQ50S
	1,500	30 × 40	0.15	1.87	ELXG101VSN152MR40S
	1,500	35 × 30	0.15	1.85	ELXG101VSN152MA30S
	1,800	35 × 35	0.15	2.07	ELXG101VSN182MA35S
	2,200	30 × 50	0.15	2.40	ELXG101VSN222MR50S
	2,200	35 × 40	0.15	2.39	ELXG101VSN222MA40S
	2,700	35 × 50	0.15	2.81	ELXG101VSN272MA50S

◆MAXIMUM IMPEDANCE [mΩ/20℃, 30kHz]

Vdc / Case size φD×L(mm)	10 to 63	80	100
22×25	120	150	
22×30	100	120	
22×35	80	95	
22×40	70	80	
22×50	50	60	
25.4×25	90	110	
25.4×30	70	85	
25.4×35	60	70	
25.4×40	50	60	
25.4×50	40	45	
30×25	70	80	
30×30	50	60	
30×35	40	50	
30×40	35	40	
30×50	25	30	
35×25	65	70	
35×30	45	50	
35×35	38	40	
35×40	30	30	
35×50	23	25	

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