

LXG Series

- Endurance with ripple current : 5,000 hours at 105°C
- Non solvent resistant type
- RoHS2 Compliant

LXG

Longer life
KMQ

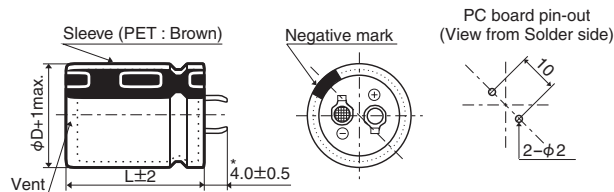


SPECIFICATIONS

Items	Characteristics								
Category	-40 to +105℃								
Temperature Range									
Rated Voltage Range	10 to 100V _{dc}								
Capacitance Tolerance	±20% (M) (at 20℃, 120Hz)								
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 (tan δ)	Rated voltage (V _{dc})	10V	16V	25V	35V	50V	63V	80 & 100V	(at 20℃, 120Hz)
	tan δ (Max.)	0.60	0.45	0.30	0.25	0.20	0.15	0.15	
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 (V _{dc})	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. (tan δ)	≤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. (tan δ)	≤150% of the initial specified value							
	Leakage current	≤The initial specified value							

DIMENSIONS [mm]

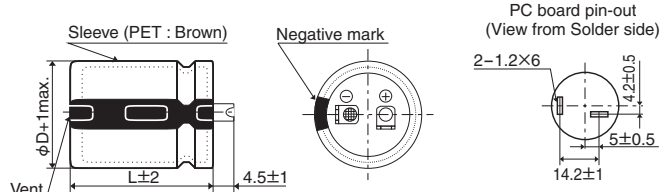
Terminal Code : VS (φ22 to φ35) : Standard



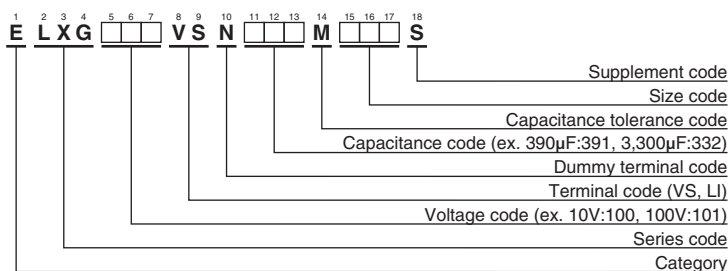
*φD=35mm : 3.5±0.5mm

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 50V _{dc}	0.95	1.00	1.03	1.05	1.08	1.08
63 to 100V _{dc}	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°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.	WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.
10	6,800	22 × 25	0.60	1.30	ELXG100VSN682MP25S	35	5,600	25.4 × 35	0.25	1.98	ELXG350VSN562MQ35S
	10,000	22 × 30	0.60	1.65	ELXG100VSN103MP30S		5,600	30 × 30	0.25	1.98	ELXG350VSN562MR30S
	10,000	25.4 × 25	0.60	1.64	ELXG100VSN103MQ25S		5,600	35 × 25	0.25	2.03	ELXG350VSN562MA25S
	12,000	22 × 35	0.60	1.85	ELXG100VSN123MP35S		6,800	22 × 50	0.25	2.26	ELXG350VSN682MP50S
	12,000	25.4 × 30	0.60	1.85	ELXG100VSN123MQ30S		6,800	25.4 × 40	0.25	2.24	ELXG350VSN682MQ40S
	12,000	30 × 25	0.60	1.89	ELXG100VSN123MR25S		8,200	25.4 × 50	0.25	2.57	ELXG350VSN822MQ50S
	15,000	22 × 40	0.60	2.12	ELXG100VSN153MP40S		8,200	30 × 35	0.25	2.50	ELXG350VSN822MR35S
	15,000	25.4 × 35	0.60	2.16	ELXG100VSN153MQ35S		8,200	35 × 30	0.25	2.55	ELXG350VSN822MA30S
	18,000	22 × 50	0.60	2.45	ELXG100VSN183MP50S		10,000	30 × 40	0.25	2.86	ELXG350VSN103MR40S
	18,000	25.4 × 40	0.60	2.43	ELXG100VSN183MQ40S		10,000	35 × 35	0.25	2.88	ELXG350VSN103MA35S
	18,000	30 × 30	0.60	2.37	ELXG100VSN183MR30S		12,000	30 × 50	0.25	3.32	ELXG350VSN123MR50S
	18,000	35 × 25	0.60	2.42	ELXG100VSN183MA25S		12,000	35 × 40	0.25	3.30	ELXG350VSN123MA40S
	22,000	30 × 35	0.60	2.73	ELXG100VSN223MR35S		18,000	35 × 50	0.25	4.29	ELXG350VSN183MA50S
	22,000	35 × 30	0.60	2.79	ELXG100VSN223MA30S	50	1,500	22 × 25	0.20	1.02	ELXG500VSN152MP25S
	27,000	25.4 × 50	0.60	3.11	ELXG100VSN273MQ50S		1,800	22 × 30	0.20	1.17	ELXG500VSN182MP30S
	27,000	30 × 40	0.60	3.13	ELXG100VSN273MR40S		1,800	25.4 × 25	0.20	1.17	ELXG500VSN182MQ25S
	33,000	35 × 35	0.60	3.49	ELXG100VSN333MA35S		2,200	22 × 35	0.20	1.33	ELXG500VSN222MP35S
	39,000	30 × 50	0.60	3.99	ELXG100VSN393MR50S		2,700	22 × 40	0.20	1.51	ELXG500VSN272MP40S
	39,000	35 × 40	0.60	3.96	ELXG100VSN393MA40S		2,700	25.4 × 30	0.20	1.47	ELXG500VSN272MQ30S
	47,000	35 × 50	0.60	4.62	ELXG100VSN473MA50S		2,700	30 × 25	0.20	1.50	ELXG500VSN272MR25S
16	5,600	22 × 25	0.45	1.44	ELXG160VSN562MP25S		3,300	25.4 × 35	0.20	1.70	ELXG500VSN332MQ35S
	6,800	22 × 30	0.45	1.66	ELXG160VSN682MP30S		3,300	30 × 30	0.20	1.70	ELXG500VSN332MR30S
	6,800	25.4 × 25	0.45	1.66	ELXG160VSN682MQ25S		3,300	35 × 25	0.20	1.74	ELXG500VSN332MA25S
	8,200	22 × 35	0.45	1.87	ELXG160VSN822MP35S		3,900	22 × 50	0.20	1.91	ELXG500VSN392MP50S
	10,000	22 × 40	0.45	2.12	ELXG160VSN103MP40S		3,900	25.4 × 40	0.20	1.89	ELXG500VSN392MQ40S
	10,000	25.4 × 30	0.45	2.07	ELXG160VSN103MQ30S		4,700	30 × 35	0.20	2.11	ELXG500VSN472MR35S
	10,000	30 × 25	0.45	2.11	ELXG160VSN103MR25S		4,700	35 × 30	0.20	2.16	ELXG500VSN472MA30S
	12,000	25.4 × 35	0.45	2.37	ELXG160VSN123MQ35S		5,600	25.4 × 50	0.20	2.38	ELXG500VSN562MQ50S
	12,000	30 × 30	0.45	2.37	ELXG160VSN123MR30S		5,600	30 × 40	0.20	2.39	ELXG500VSN562MR40S
	12,000	35 × 25	0.45	2.42	ELXG160VSN123MA25S		5,600	35 × 35	0.20	2.41	ELXG500VSN562MA35S
	15,000	22 × 50	0.45	2.74	ELXG160VSN153MP50S		6,800	30 × 50	0.20	2.79	ELXG500VSN682MR50S
	15,000	25.4 × 40	0.45	2.71	ELXG160VSN153MQ40S		6,800	35 × 40	0.20	2.78	ELXG500VSN682MA40S
	18,000	25.4 × 50	0.45	3.11	ELXG160VSN183MQ50S		10,000	35 × 50	0.20	3.57	ELXG500VSN103MA50S
	18,000	30 × 35	0.45	3.02	ELXG160VSN183MR35S	63	1,000	22 × 25	0.15	1.00	ELXG630VSN102MP25S
	18,000	35 × 30	0.45	3.09	ELXG160VSN183MA30S		1,200	22 × 30	0.15	1.15	ELXG630VSN122MP30S
	22,000	30 × 40	0.45	3.46	ELXG160VSN223MR40S		1,200	25.4 × 25	0.15	1.15	ELXG630VSN122MQ25S
	22,000	35 × 35	0.45	3.49	ELXG160VSN223MA35S		1,500	22 × 35	0.15	1.32	ELXG630VSN152MP35S
	27,000	30 × 50	0.45	4.07	ELXG160VSN273MR50S		1,800	22 × 40	0.15	1.49	ELXG630VSN182MP40S
	27,000	35 × 40	0.45	4.04	ELXG160VSN273MA40S		1,800	25.4 × 30	0.15	1.45	ELXG630VSN182MQ30S
	39,000	35 × 50	0.45	5.16	ELXG160VSN393MA50S		1,800	30 × 25	0.15	1.48	ELXG630VSN182MR25S
25	3,900	22 × 25	0.30	1.31	ELXG250VSN392MP25S		2,200	25.4 × 35	0.15	1.67	ELXG630VSN222MQ35S
	4,700	22 × 30	0.30	1.51	ELXG250VSN472MP30S		2,200	30 × 30	0.15	1.68	ELXG630VSN222MR30S
	4,700	25.4 × 25	0.30	1.51	ELXG250VSN472MQ25S		2,200	35 × 25	0.15	1.71	ELXG630VSN222MA25S
	5,600	22 × 35	0.30	1.70	ELXG250VSN562MP35S		2,700	22 × 50	0.15	1.92	ELXG630VSN272MP50S
	6,800	22 × 40	0.30	1.92	ELXG250VSN682MP40S		2,700	25.4 × 40	0.15	1.90	ELXG630VSN272MQ40S
	6,800	25.4 × 30	0.30	1.87	ELXG250VSN682MQ30S		2,700	30 × 35	0.15	1.93	ELXG630VSN272MR35S
	6,800	30 × 25	0.30	1.90	ELXG250VSN682MR25S		3,300	25.4 × 50	0.15	2.20	ELXG630VSN332MQ50S
	8,200	25.4 × 35	0.30	2.14	ELXG250VSN822MQ35S		3,300	35 × 30	0.15	2.18	ELXG630VSN332MA30S
	8,200	30 × 30	0.30	2.15	ELXG250VSN822MR30S		3,900	30 × 40	0.15	2.41	ELXG630VSN392MR40S
	8,200	35 × 25	0.30	2.19	ELXG250VSN822MA25S		3,900	35 × 35	0.15	2.43	ELXG630VSN392MA35S
	10,000	22 × 50	0.30	2.45	ELXG250VSN103MP50S		4,700	30 × 50	0.15	2.80	ELXG630VSN472MR50S
	10,000	25.4 × 40	0.30	2.43	ELXG250VSN103MQ40S		4,700	35 × 40	0.15	2.78	ELXG630VSN472MA40S
	12,000	25.4 × 50	0.30	2.78	ELXG250VSN123MQ50S		6,800	35 × 50	0.15	3.55	ELXG630VSN682MA50S
	12,000	30 × 35	0.30	2.70	ELXG250VSN123MR35S	80	680	22 × 25	0.15	0.97	ELXG800VSN681MP25S
	12,000	35 × 30	0.30	2.76	ELXG250VSN123MA30S		820	22 × 30	0.15	1.12	ELXG800VSN821MP30S
	15,000	30 × 40	0.30	3.13	ELXG250VSN153MR40S		1,000	22 × 35	0.15	1.27	ELXG800VSN102MP35S
	15,000	35 × 35	0.30	3.16	ELXG250VSN153MA35S		1,000	25.4 × 25	0.15	1.23	ELXG800VSN102MQ25S
	18,000	30 × 50	0.30	3.64	ELXG250VSN183MR50S		1,200	22 × 40	0.15	1.42	ELXG800VSN122MP40S
	18,000	35 × 40	0.30	3.61	ELXG250VSN183MA40S		1,200	25.4 × 30	0.15	1.39	ELXG800VSN122MQ30S
	27,000	35 × 50	0.30	4.70	ELXG250VSN273MA50S		1,200	30 × 25	0.15	1.41	ELXG800VSN122MR25S
35	2,200	22 × 25	0.25	1.10	ELXG350VSN222MP25S		1,500	25.4 × 35	0.15	1.62	ELXG800VSN152MQ35S
	3,300	22 × 30	0.25	1.42	ELXG350VSN332MP30S		1,800	22 × 50	0.15	1.84	ELXG800VSN182MP50S
	3,300	25.4 × 25	0.25	1.41	ELXG350VSN332MQ25S		1,800	25.4 × 40	0.15	1.82	ELXG800VSN182MQ40S
	3,900	22 × 35	0.25	1.58	ELXG350VSN392MP35S		1,800	30 × 30	0.15	1.78	ELXG800VSN182MR30S
	3,900	25.4 × 30	0.25	1.58	ELXG350VSN392MQ30S		1,800	35 × 25	0.15	1.82	ELXG800VSN182MA25S
	4,700	22 × 40	0.25	1.78	ELXG350VSN472MP40S		2,200	25.4 × 50	0.15	2.11	ELXG800VSN222MQ50S
	4,700	30 × 25	0.25	1.77	ELXG350VSN472MR25S		2,200	30 × 35	0.15	2.05	ELXG800VSN222MR35S

◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.	WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.
80	2,200	35 × 30	0.15	2.09	ELXG800VSN222MA30S	100	1,000	25.4 × 35	0.15	1.41	ELXG101VSN102MQ35S
	2,700	30 × 40	0.15	2.35	ELXG800VSN272MR40S		1,000	30 × 30	0.15	1.42	ELXG101VSN102MR30S
	2,700	35 × 35	0.15	2.37	ELXG800VSN272MA35S		1,000	35 × 25	0.15	1.45	ELXG101VSN102MA25S
	3,300	30 × 50	0.15	2.75	ELXG800VSN332MR50S		1,200	22 × 50	0.15	1.60	ELXG101VSN122MP50S
	3,300	35 × 40	0.15	2.73	ELXG800VSN332MA40S		1,200	25.4 × 40	0.15	1.59	ELXG101VSN122MQ40S
	4,700	35 × 50	0.15	3.46	ELXG800VSN472MA50S		1,200	30 × 35	0.15	1.61	ELXG101VSN122MR35S
100	390	22 × 25	0.15	0.78	ELXG101VSN391MP25S		1,500	25.4 × 50	0.15	1.86	ELXG101VSN152MQ50S
	560	22 × 30	0.15	0.99	ELXG101VSN561MP30S		1,500	30 × 40	0.15	1.87	ELXG101VSN152MR40S
	560	25.4 × 25	0.15	0.98	ELXG101VSN561MQ25S		1,500	35 × 30	0.15	1.85	ELXG101VSN152MA30S
	680	22 × 35	0.15	1.12	ELXG101VSN681MP35S		1,800	35 × 35	0.15	2.07	ELXG101VSN182MA35S
	820	22 × 40	0.15	1.26	ELXG101VSN821MP40S		2,200	30 × 50	0.15	2.40	ELXG101VSN222MR50S
	820	25.4 × 30	0.15	1.23	ELXG101VSN821MQ30S		2,200	35 × 40	0.15	2.39	ELXG101VSN222MA40S
	820	30 × 25	0.15	1.25	ELXG101VSN821MR25S		2,700	35 × 50	0.15	2.81	ELXG101VSN272MA50S

◆MAXIMUM IMPEDANCE [mΩ/20°C, 30kHz]

Case size φD×L(mm)	V _{dc}	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	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

United Chemi-Con (UCC):

ELXG500VNN472MA30T	ELXG800VSN681MP25S	ELXG201VSN102MA40S	ELXG101VSN222MR50S
ELXG401VNN121MQ35T	ELXG500VNN472MR35T	ELXG350VSN103MA35S	ELXG630VNN222MA25T
ELXG500VSN682MA40T	ELXG161VSN472MA80S	ELXG800VNN472MA50T	ELXG800VSN472MA50S
ELXG500VSN472MR35S	ELXG500VSN332MQ35S	ELXG101VSN152MA30S	ELXG630VSN472MR50S
ELXG401VNN221MA35S	ELXG100VNN473MR50W	ELXG800VSN222MR35S	ELXG250VSN123MA30S
ELXG101VNN222MA40S	ELXG350VNN123MR50S	ELXG101VSN152MR40S	ELXG500VNN472MA30W
ELXG101VSN222MA40S	ELXG350VNN682MQ40T	ELXG251VNN151MP25T	ELXG250VSN472MQ25S
ELXG630VSN472MA40S	ELXG800VNN332MA40S	ELXG630VSN222MR30S	ELXG500VSN682MA40S
ELXG350VRD183MA50N	ELXG500VNN103MA50S	ELXG401VNN101MQ30T	ELXG630VSN222MQ35S
ELXG630VSN332MQ50S	ELXG350VSN562MR30S	ELXG250VNN273MA50S	ELXG250VSN153MA35S
ELXG630VSN102MP25S	ELXG800VND682MA50T	ELXG500VSN332MR30S	ELXG201VNN331MR25T
ELXG350VSN123MA40S	ELXG401VSN271MR35T	ELXG451VNN221MR45S	ELXG350VSN822MA30S
ELXG630VSN103MA50S	ELXG201VSN102MA40T	ELXG250VSN123MR35S	ELXG800VSN182MA25W
ELXG800VSN222MA30S	ELXG250VNN223MR50W	ELXG101VNN222MR50T	ELXG101VNN152MR40T
ELXG500VSN472MA30S	ELXG251VNN561MR40T	ELXG350VSN472MR25S	ELXG350VSN103MR40S
ELXG500VNN472MR35U			



**Стандарт
Электрон
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

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