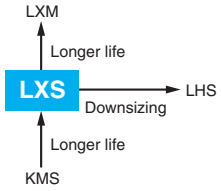
LXS Series

- For solar power generation
- Endurance with ripple current : 5,000 hours at 105℃
- Rated voltage range : 160 to 600V
- Downsized from LXQ series
- Non solvent resistant type
- RoHS2 Compliant





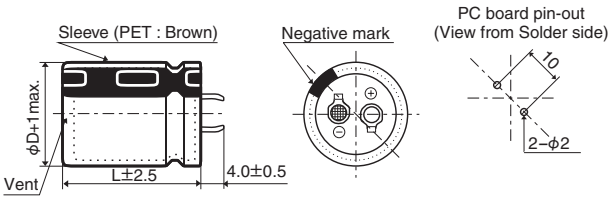


◆SPECIFICATIONS

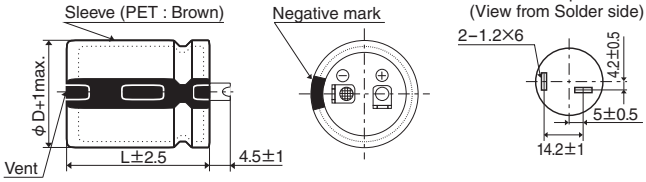
Items	Characteristics			
Category Temperature Range	-25 to +105℃			
Rated Voltage Range	160 to 600V_{dc}			
Capacitance Tolerance	±20% (M)			(at 20℃, 120Hz)
Leakage Current	I≦3√CV Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)			(at 20℃ after 5 minutes)
Dissipation Factor (tan δ)	Rated voltage (V_{dc})	160 to 400V	420 to 600V	
	tan δ (Max.)	0.15	0.20	(at 20℃, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V_{dc})	160 to 400V	420 to 600V	
	Z(-25℃)/Z(+20℃)	4	8	(at 120Hz)
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 105℃.			
	Capacitance change	≦±20% of the initial value		
	D.F. (tan δ)	≦200% of the initial specified value (500V_{dc} : ≦ 250%, 550, 600V_{dc} : ≦ 300%)		
	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 1,000 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	≦±15% 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

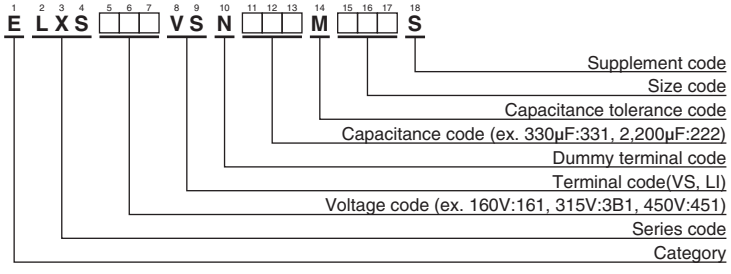


●Terminal Code : LI (φ30, φ35)



The standard design has no plastic disc.

◆PART NUMBERING SYSTEM



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

Product specifications in this catalog are subject to change without notice.Request our product specifications before purchase and/or use. Please use our products based on the information contained in this catalog and product specifications.

LXS Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105℃, 120Hz)	Part No.
160	470	22 × 25	0.15	1.47	ELXS161VSN471MP25S
	680	22 × 30	0.15	1.86	ELXS161VSN681MP30S
	680	25.4 × 25	0.15	1.84	ELXS161VSN681MQ25S
	820	22 × 35	0.15	2.09	ELXS161VSN821MP35S
	820	25.4 × 30	0.15	2.08	ELXS161VSN821MQ30S
	1,000	22 × 40	0.15	2.35	ELXS161VSN102MP40S
	1,000	22 × 45	0.15	2.40	ELXS161VSN102MP45S
	1,000	25.4 × 35	0.15	2.40	ELXS161VSN102MQ35S
	1,000	30 × 25	0.15	2.50	ELXS161VSN102MR25S
	1,200	22 × 50	0.15	2.69	ELXS161VSN122MP50S
	1,200	25.4 × 40	0.15	2.68	ELXS161VSN122MQ40S
	1,200	30 × 30	0.15	2.77	ELXS161VSN122MR30S
	1,200	35 × 25	0.15	2.91	ELXS161VSN122MA25S
	1,500	25.4 × 45	0.15	3.05	ELXS161VSN152MQ45S
	1,500	30 × 35	0.15	3.17	ELXS161VSN152MR35S
	1,800	25.4 × 50	0.15	3.40	ELXS161VSN182MQ50S
	1,800	30 × 40	0.15	3.57	ELXS161VSN182MR40S
	1,800	35 × 30	0.15	3.62	ELXS161VSN182MA30S
	2,200	30 × 45	0.15	4.05	ELXS161VSN222MR45S
	2,200	30 × 50	0.15	4.11	ELXS161VSN222MR50S
	2,200	35 × 35	0.15	4.07	ELXS161VSN222MA35S
	2,700	35 × 40	0.15	4.67	ELXS161VSN272MA40S
	2,700	35 × 45	0.15	4.78	ELXS161VSN272MA45S
	3,300	35 × 50	0.15	5.40	ELXS161VSN332MA50S
180	390	22 × 25	0.15	1.34	ELXS181VSN391MP25S
	560	22 × 30	0.15	1.68	ELXS181VSN561MP30S
	560	25.4 × 25	0.15	1.67	ELXS181VSN561MQ25S
	680	22 × 35	0.15	1.90	ELXS181VSN681MP35S
	820	22 × 40	0.15	2.13	ELXS181VSN821MP40S
	820	25.4 × 30	0.15	2.08	ELXS181VSN821MQ30S
	820	25.4 × 35	0.15	2.17	ELXS181VSN821MQ35S
	820	30 × 25	0.15	2.26	ELXS181VSN821MR25S
	1,000	22 × 45	0.15	2.40	ELXS181VSN102MP45S
	1,000	22 × 50	0.15	2.45	ELXS181VSN102MP50S
	1,000	25.4 × 40	0.15	2.45	ELXS181VSN102MQ40S
	1,000	30 × 30	0.15	2.52	ELXS181VSN102MR30S
	1,000	35 × 25	0.15	2.66	ELXS181VSN102MA25S
	1,200	25.4 × 45	0.15	2.73	ELXS181VSN122MQ45S
	1,200	30 × 35	0.15	2.83	ELXS181VSN122MR35S
	1,500	25.4 × 50	0.15	3.10	ELXS181VSN152MQ50S
	1,500	30 × 40	0.15	3.26	ELXS181VSN152MR40S
	1,500	35 × 30	0.15	3.31	ELXS181VSN152MA30S
	1,800	30 × 45	0.15	3.66	ELXS181VSN182MR45S
	1,800	35 × 35	0.15	3.68	ELXS181VSN182MA35S
	2,200	30 × 50	0.15	4.11	ELXS181VSN222MR50S
	2,200	35 × 40	0.15	4.22	ELXS181VSN222MA40S
	2,200	35 × 45	0.15	4.32	ELXS181VSN222MA45S
	2,700	35 × 50	0.15	4.88	ELXS181VSN272MA50S
200	390	22 × 25	0.15	1.34	ELXS201VSN391MP25S
	470	22 × 30	0.15	1.54	ELXS201VSN471MP30S
	560	22 × 35	0.15	1.72	ELXS201VSN561MP35S
	560	25.4 × 25	0.15	1.67	ELXS201VSN561MQ25S
	680	22 × 40	0.15	1.94	ELXS201VSN681MP40S
	680	25.4 × 30	0.15	1.89	ELXS201VSN681MQ30S
	680	30 × 25	0.15	2.06	ELXS201VSN681MR25S
	820	22 × 45	0.15	2.17	ELXS201VSN821MP45S
	820	25.4 × 35	0.15	2.17	ELXS201VSN821MQ35S
	1,000	22 × 50	0.15	2.45	ELXS201VSN102MP50S
	1,000	25.4 × 40	0.15	2.45	ELXS201VSN102MQ40S
	1,000	30 × 30	0.15	2.52	ELXS201VSN102MR30S
	1,000	35 × 25	0.15	2.66	ELXS201VSN102MA25S
	1,200	25.4 × 45	0.15	2.73	ELXS201VSN122MQ45S
	1,200	25.4 × 50	0.15	2.78	ELXS201VSN122MQ50S
	1,200	30 × 35	0.15	2.83	ELXS201VSN122MR35S
	1,200	35 × 30	0.15	2.96	ELXS201VSN122MA30S
	1,500	30 × 40	0.15	3.26	ELXS201VSN152MR40S
	1,500	30 × 45	0.15	3.34	ELXS201VSN152MR45S
200	1,500	35 × 35	0.15	3.36	ELXS201VSN152MA35S
	1,800	30 × 50	0.15	3.72	ELXS201VSN182MR50S
	1,800	35 × 40	0.15	3.81	ELXS201VSN182MA40S
	2,200	35 × 45	0.15	4.32	ELXS201VSN222MA45S
	2,700	35 × 50	0.15	4.88	ELXS201VSN272MA50S
250	270	22 × 25	0.15	1.11	ELXS251VSN271MP25S
	330	22 × 30	0.15	1.29	ELXS251VSN331MP30S
	390	22 × 35	0.15	1.44	ELXS251VSN391MP35S
	390	25.4 × 25	0.15	1.40	ELXS251VSN391MQ25S
	470	22 × 40	0.15	1.61	ELXS251VSN471MP40S
	470	25.4 × 30	0.15	1.57	ELXS251VSN471MQ30S
	560	22 × 45	0.15	1.79	ELXS251VSN561MP45S
	560	25.4 × 35	0.15	1.79	ELXS251VSN561MQ35S
	560	30 × 25	0.15	1.87	ELXS251VSN561MR25S
	680	22 × 50	0.15	2.02	ELXS251VSN681MP50S
	680	25.4 × 40	0.15	2.02	ELXS251VSN681MQ40S
	680	30 × 30	0.15	2.08	ELXS251VSN681MR30S
	680	35 × 25	0.15	2.19	ELXS251VSN681MA25S
	820	25.4 × 45	0.15	2.26	ELXS251VSN821MQ45S
	820	25.4 × 50	0.15	2.29	ELXS251VSN821MQ50S
	820	30 × 35	0.15	2.34	ELXS251VSN821MR35S
	820	35 × 30	0.15	2.45	ELXS251VSN821MA30S
	1,000	30 × 40	0.15	2.66	ELXS251VSN102MR40S
	1,200	30 × 45	0.15	2.99	ELXS251VSN122MR45S
	1,200	30 × 50	0.15	3.04	ELXS251VSN122MR50S
	1,200	35 × 35	0.15	3.00	ELXS251VSN122MA35S
	1,200	35 × 40	0.15	3.11	ELXS251VSN122MA40S
	1,500	35 × 45	0.15	3.56	ELXS251VSN152MA45S
	1,800	35 × 50	0.15	3.98	ELXS251VSN182MA50S
315	180	22 × 25	0.15	0.95	ELXS3B1VSN181MP25S
	220	22 × 30	0.15	1.10	ELXS3B1VSN221MP30S
	220	25.4 × 25	0.15	1.10	ELXS3B1VSN221MQ25S
	270	22 × 35	0.15	1.24	ELXS3B1VSN271MP35S
	270	25.4 × 30	0.15	1.25	ELXS3B1VSN271MQ30S
	330	22 × 40	0.15	1.40	ELXS3B1VSN331MP40S
	330	30 × 25	0.15	1.43	ELXS3B1VSN331MR25S
	390	22 × 45	0.15	1.56	ELXS3B1VSN391MP45S
	390	22 × 50	0.15	1.59	ELXS3B1VSN391MP50S
	390	25.4 × 35	0.15	1.57	ELXS3B1VSN391MQ35S
	470	25.4 × 40	0.15	1.76	ELXS3B1VSN471MQ40S
	470	25.4 × 45	0.15	1.79	ELXS3B1VSN471MQ45S
	470	30 × 30	0.15	1.73	ELXS3B1VSN471MR30S
	470	35 × 25	0.15	1.82	ELXS3B1VSN471MA25S
	560	25.4 × 50	0.15	1.99	ELXS3B1VSN561MQ50S
	560	30 × 35	0.15	1.93	ELXS3B1VSN561MR35S
	560	35 × 30	0.15	2.02	ELXS3B1VSN561MA30S
	680	30 × 40	0.15	2.19	ELXS3B1VSN681MR40S
	680	30 × 45	0.15	2.25	ELXS3B1VSN681MR45S
	680	35 × 35	0.15	2.26	ELXS3B1VSN681MA35S
	820	30 × 50	0.15	2.51	ELXS3B1VSN821MR50S
	820	35 × 40	0.15	2.57	ELXS3B1VSN821MA40S
	1,000	35 × 45	0.15	2.91	ELXS3B1VSN102MA45S
	1,200	35 × 50	0.15	3.25	ELXS3B1VSN122MA50S
400	120	22 × 25	0.15	0.77	ELXS401VSN121MP25S
	150	22 × 30	0.15	0.90	ELXS401VSN151MP30S
	180	22 × 35	0.15	1.02	ELXS401VSN181MP35S
	180	25.4 × 25	0.15	0.99	ELXS401VSN181MQ25S
	220	22 × 40	0.15	1.15	ELXS401VSN221MP40S
	220	25.4 × 30	0.15	1.13	ELXS401VSN221MQ30S
	220	30 × 25	0.15	1.17	ELXS401VSN221MR25S
	270	22 × 45	0.15	1.29	ELXS401VSN271MP45S
	270	22 × 50	0.15	1.32	ELXS401VSN271MP50S
	270	25.4 × 35	0.15	1.30	ELXS401VSN271MQ35S
	330	25.4 × 40	0.15	1.47	ELXS401VSN331MQ40S
	330	30 × 30	0.15	1.45	ELXS401VSN331MR30S
	330	35 × 25	0.15	1.52	ELXS401VSN331MA25S
	390	25.4 × 45	0.15	1.63	ELXS401VSN391MQ45S

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LXS Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105℃, 120Hz)	Part No.
400	390	25.4 × 50	0.15	1.66	ELXS401VSN391MQ50S
	390	30 × 35	0.15	1.61	ELXS401VSN391MR35S
	390	35 × 30	0.15	1.68	ELXS401VSN391MA30S
	470	30 × 40	0.15	1.82	ELXS401VSN471MR40S
	470	35 × 35	0.15	1.88	ELXS401VSN471MA35S
	560	30 × 45	0.15	2.04	ELXS401VSN561MR45S
	560	30 × 50	0.15	2.07	ELXS401VSN561MR50S
	560	35 × 40	0.15	2.13	ELXS401VSN561MA40S
	680	35 × 45	0.15	2.40	ELXS401VSN681MA45S
	820	35 × 50	0.15	2.69	ELXS401VSN821MA50S
420	100	22 × 25	0.20	0.70	ELXS421VSN101MP25S
	120	22 × 30	0.20	0.81	ELXS421VSN121MP30S
	120	25.4 × 25	0.20	0.81	ELXS421VSN121MQ25S
	150	22 × 35	0.20	0.93	ELXS421VSN151MP35S
	180	22 × 40	0.20	1.04	ELXS421VSN181MP40S
	180	25.4 × 30	0.20	1.02	ELXS421VSN181MQ30S
	180	30 × 25	0.20	1.06	ELXS421VSN181MR25S
	220	22 × 45	0.20	1.17	ELXS421VSN221MP45S
	220	22 × 50	0.20	1.20	ELXS421VSN221MP50S
	220	25.4 × 35	0.20	1.18	ELXS421VSN221MQ35S
	270	25.4 × 40	0.20	1.33	ELXS421VSN271MQ40S
	270	25.4 × 45	0.20	1.36	ELXS421VSN271MQ45S
	270	30 × 30	0.20	1.31	ELXS421VSN271MR30S
	270	35 × 25	0.20	1.38	ELXS421VSN271MA25S
	330	25.4 × 50	0.20	1.52	ELXS421VSN331MQ50S
	330	30 × 35	0.20	1.48	ELXS421VSN331MR35S
	330	35 × 30	0.20	1.55	ELXS421VSN331MA30S
	390	30 × 40	0.20	1.66	ELXS421VSN391MR40S
	390	30 × 45	0.20	1.70	ELXS421VSN391MR45S
	390	35 × 35	0.20	1.71	ELXS421VSN391MA35S
	470	30 × 50	0.20	1.90	ELXS421VSN471MR50S
	470	35 × 40	0.20	1.95	ELXS421VSN471MA40S
	560	35 × 45	0.20	2.17	ELXS421VSN561MA45S
	680	35 × 50	0.20	2.45	ELXS421VSN681MA50S
450	82	22 × 25	0.20	0.64	ELXS451VSN820MP25S
	120	22 × 30	0.20	0.81	ELXS451VSN121MP30S
	120	22 × 35	0.20	0.83	ELXS451VSN121MP35S
	120	25.4 × 25	0.20	0.81	ELXS451VSN121MQ25S
	150	22 × 40	0.20	0.94	ELXS451VSN151MP40S
	150	25.4 × 30	0.20	0.93	ELXS451VSN151MQ30S
	180	22 × 45	0.20	1.06	ELXS451VSN181MP45S
	180	25.4 × 35	0.20	1.06	ELXS451VSN181MQ35S
	180	30 × 25	0.20	1.06	ELXS451VSN181MR25S
	220	22 × 50	0.20	1.20	ELXS451VSN221MP50S
	220	25.4 × 40	0.20	1.20	ELXS451VSN221MQ40S

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105℃, 120Hz)	Part No.
450	220	30 × 30	0.20	1.18	ELXS451VSN221MR30S
	220	35 × 25	0.20	1.24	ELXS451VSN221MA25S
	270	25.4 × 45	0.20	1.36	ELXS451VSN271MQ45S
	270	25.4 × 50	0.20	1.38	ELXS451VSN271MQ50S
	270	30 × 35	0.20	1.34	ELXS451VSN271MR35S
	270	35 × 30	0.20	1.40	ELXS451VSN271MA30S
	330	30 × 40	0.20	1.52	ELXS451VSN331MR40S
	390	30 × 45	0.20	1.70	ELXS451VSN391MR45S
	390	30 × 50	0.20	1.73	ELXS451VSN391MR50S
	390	35 × 35	0.20	1.71	ELXS451VSN391MA35S
	470	35 × 40	0.20	1.95	ELXS451VSN471MA40S
	470	35 × 45	0.20	1.99	ELXS451VSN471MA45S
	560	35 × 50	0.20	2.22	ELXS451VSN561MA50S
500	100	30 × 25	0.20	0.82	ELXS501VSN101MR25S
	120	30 × 30	0.20	0.91	ELXS501VSN121MR30S
	120	35 × 25	0.20	0.88	ELXS501VSN121MA25S
	150	30 × 35	0.20	1.04	ELXS501VSN151MR35S
	180	30 × 40	0.20	1.17	ELXS501VSN181MR40S
	180	35 × 30	0.20	1.10	ELXS501VSN181MA30S
	220	30 × 45	0.20	1.33	ELXS501VSN221MR45S
	220	35 × 35	0.20	1.23	ELXS501VSN221MA35S
	270	30 × 50	0.20	1.50	ELXS501VSN271MR50S
	270	35 × 40	0.20	1.42	ELXS501VSN271MA40S
	330	35 × 45	0.20	1.60	ELXS501VSN331MA45S
	390	35 × 50	0.20	1.78	ELXS501VSN391MA50S
	470	35 × 60	0.20	2.03	ELXS501VSN471MA60S
550	120	30 × 30	0.20	0.91	ELXS551VSN121MR30S
	150	30 × 35	0.20	1.04	ELXS551VSN151MR35S
	180	30 × 40	0.20	1.17	ELXS551VSN181MR40S
	180	35 × 30	0.20	1.10	ELXS551VSN181MA30S
	220	30 × 50	0.20	1.35	ELXS551VSN221MR50S
	220	35 × 40	0.20	1.28	ELXS551VSN221MA40S
	270	35 × 45	0.20	1.45	ELXS551VSN271MA45S
	330	35 × 50	0.20	1.64	ELXS551VSN331MA50S
	390	35 × 60	0.20	1.85	ELXS551VSN391MA60S
600	120	30 × 40	0.20	0.96	ELXS601VSN121MR40S
	120	35 × 30	0.20	0.95	ELXS601VSN121MA30S
	150	30 × 45	0.20	1.10	ELXS601VSN151MR45S
	150	35 × 35	0.20	1.07	ELXS601VSN151MA35S
	180	30 × 50	0.20	1.22	ELXS601VSN181MR50S
	180	**35 × 40**	**0.20**	**1.22**	**ELXS601VSN181MA40S**
	220	**30 × 60**	**0.20**	**1.40**	**ELXS601VSN221MR60S**
	220	**35 × 45**	**0.20**	**1.38**	**ELXS601VSN221MA45S**
	270	**35 × 50**	**0.20**	**1.56**	**ELXS601VSN271MA50S**
	330	**35 × 60**	**0.20**	**1.79**	**ELXS601VSN331MA60S**

◆RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Frequency(Hz)	50	120	300	1k	10k	50k
160 to 250V_{dc}	0.81	1.00	1.17	1.32	1.45	1.50
315 to 450V_{dc}	0.77	1.00	1.16	1.30	1.41	1.43
500 to 600V_{dc}	0.70	1.00	1.16	1.30	1.41	1.43

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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Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Nippon Chemi-Con:

EKMR401VSN681MR50S EKXG351ELL151MMP1S EKYB250ELL102MJ20S ELXZ630ELL152MM35S
EKMQ401VSN151MQ25S EKXJ401ELL121MMN3S EKYA100ELL331MF11D EKY-101ETD221MK25S
EMVY160ARA100MD55G ESMQ401VSN181MP35S EGPA350ELL122ML20S EKYA500ELL222MLP1S
EKMG160ELL682MLN3S EKMG251ELL101MLN3S EMZA630ARA301MKG5S EKMG101ELL470MJC5S
HHXC500ARA470MHA0G APXA6R3ARA471MJ80G EKMS161VSN332MA50S EKXJ401ELL680ML25S
EKY-101ELL101MK16S EKY-250ELL331MJC5S EKZN350ELL471MJ20S EMVE101ARA470MKE0S
EGPD250ELL302MK25H EGXF500ELL751MK25S EKY-500ELL471MJ30S EKZE101ELL101MK16S
EGXF630ELL391MK20S EKMQ201VSN152MR40S