



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



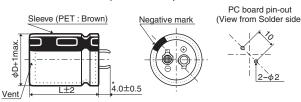


SPECIFICATIONS

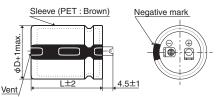
Items	Characteristics									
Category Temperature Range	-40 to +105℃									
Rated Voltage Range	10 to 100V _{dc}									
Capacitance Tolerance	±20% (M)								(at 20℃, 120Hz)	
Leakage Current	I=0.02CV or 3mA, whiche	ever is	smaller	r.						
	Where, I: Max. leakage of	current	(μA), C	: Non	ninal ca	pacitar	nce (µF), V : Rated v	oltage (V) (at 20°C after 5 minutes)	
Dissipation Factor	Rated voltage (Vdc)	10V	16V	25V	35V	50V	63V	80 & 100V		
$(\tan \delta)$	tan δ (Max.)	0.60	0.45	0.30	0.25	0.20	0.15	0.15	(at 20℃, 120Hz)	
Low Temperature	Capacitance change: Capacitance at the lowest operating temperature shall not be less than 70% of the 20°C value.									
Characteristics	Rated voltage (V _{dc})	10V	16V	25V	35V	50V	63V	80 & 100V		
(Max. Impedance Ratio)	Z(-25°C)/Z(+20°C)	4	4	3	3	2	2	2		
	Z(-40°C)/Z(+20°C)	15	15	10	8	6	6	5	(at 120Hz)	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC vo ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 105°C.									
	Capacitance change	≦±25% of the initial value								
	D.F. (tan δ)	≤250% of the initial specified value					alue			
	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 10 voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS									
	Capacitance change	≦±20% of the initial value				ie				
	D.F. (tan δ)	≦15	0% of t	the initi	al spec	ified va	alue			
	Leakage current	≦Th	e initia	l specif	ied val	ue				

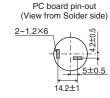
◆DIMENSIONS [mm]

ulletTerminal Code : VS (ϕ 22 to ϕ 35) : Standard



•Terminal Code : LI (φ35)

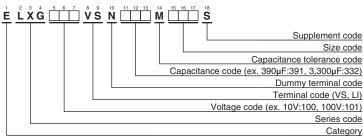




* ϕ D=35mm : 3.5 \pm 0.5mm

The standard design has no plastic disc.

◆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 deterioration of aluminum electrolytic capacitors accelerates their life due to the internal heating produced by ripple current. For details, refer to Section "5-3 Ripple Current Effect on Lifetime" in the catalog, Technical Note.





STANDARD RATINGS

				Rated ripple						Rated ripple	
WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	tan δ	current (Arms/ 105°C, 120Hz)	Part No.	WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	current (Arms/ 105°C, 120Hz)	Part No.
	6,800	22 × 25	0.60	1.30	ELXG100VSN682MP25S		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	35	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
10	18,000 18.000	25.4 × 40 30 × 30	0.60	2.43 2.37	ELXG100VSN183MQ40S ELXG100VSN183MR30S		10,000	35 × 35 30 × 50	0.25	2.88 3.32	ELXG350VSN103MA35S 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		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
	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	50	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
16	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 3.09	ELXG160VSN183MR35S		1,000	22 × 25 22 × 30	0.15	1.00	ELXG630VSN102MP25S
	18,000 22,000	35 × 30 30 × 40	0.45	3.46	ELXG160VSN183MA30S ELXG160VSN223MR40S		1,200 1,200	25.4 × 25	0.15	1.15 1.15	ELXG630VSN122MP30S 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
	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	63	2,200	35 × 25	0.15	1.71	ELXG630VSN222MA25S
	5,600	22 × 35	0.30	1.70	ELXG250VSN562MP35S	63	2,700	22 × 50	0.15	1.92	ELXG630VSN272MP50S
	6,800		0.30	1.92	ELXG250VSN682MP40S		2,700	25.4 × 40	0.15	1.90	ELXG630VSN272MQ40S
	-	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		0.15	2.20	ELXG630VSN332MQ50S
			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
25	8,200	35 × 25	0.30	2.19	ELXG250VSN822MA25S ELXG250VSN103MP50S		3,900	35 × 35	0.15	2.43	ELXG630VSN392MA35S
	10,000	22×50 25.4×40	0.30	2.45	ELXG250VSN103MP50S ELXG250VSN103MQ40S		4,700 4,700	30 × 50 35 × 40	0.15	2.80	ELXG630VSN472MR50S
		25.4 × 40 25.4 × 50	0.30	2.43 2.78	ELXG250VSN103MQ40S ELXG250VSN123MQ50S		6,800	35 × 40	0.15	2.78 3.55	ELXG630VSN472MA40S ELXG630VSN682MA50S
	12,000	30 × 35	0.30	2.70	ELXG250VSN123MR35S		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			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		0.15	1.39	ELXG800VSN122MQ30S
	27,000	35 × 50	0.30	4.70	ELXG250VSN273MA50S	00	1,200	30 × 25	0.15	1.41	ELXG800VSN122MR25S
	2,200	22 × 25	0.25	1.10	ELXG350VSN222MP25S	80	1,500		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
35	3,900	22 × 35	0.25	1.58	ELXG350VSN392MP35S		1,800	30 × 30	0.15	1.78	ELXG800VSN182MR30S
	3,900		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		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.
	2,200	35 × 30	0.15	2.09	ELXG800VSN222MA30S
	2,700	30 × 40	0.15	2.35	ELXG800VSN272MR40S
80	2,700	35 × 35	0.15	2.37	ELXG800VSN272MA35S
80	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
	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
100	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 (V _{dc})	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.
	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
100	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 [m Ω /20°C, 30kHz]

V _{dc} Case size φ D×L(mm)	10 to 63	80	100	
22×25	120	150		
22×30	100	12	20	
22×35	80	Ç	95	
22×40	70	w	30	
22×50	50	6	30	
25.4×25	90	11	10	
25.4×30	70		35	
25.4×35	60	70		
25.4×40	50	60		
25.4×50	40	4	15	
30×25	70	80		
30×30	50	6	60	
30×35	40	5	50	
30×40	35	4	10	
30×50	25	63	30	
35×25	65	7	70	
35×30	45	5	50	
35×35	38		10	
35×40	30	3	30	
35×50	23	2	25	



CHEMI-CON ALUMINUM ELECTROLYTIC CAPACITORS

- Always read "Notes on Use" before using the product in order to enable you to use the product correctly and prevent any faults and accidents from occurring.
- Request the Product Specification on the product of NIPPON CHEMI-CON CORPORATION to refer to it as well as this brochure prior to the order of the products. Some specific notes on use of the ordered product may be described in the specifications.
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 - products
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 - In addition, we have an established system with enhanced traceability, therefore we will limit the applicable lot items for any potential compensation.

Part Numbering System Part Numbering System (Appendix) Standardization Available Items by Manufacturing Locations **Environmental Measures Technical Note** Precautions and Guidelines Recommended Soldering Conditions Taping, Lead-preforming and Packaging Available Terminals for Snap-in and Screw Mount Type