



- The LXA series has been adapted for high capacity, high ripple, and made compatible with charging and discharging.
- For frequently change of regenerative voltage from AC servo amplifier and inverter control
- Endurance with ripple current: 5,000 hours at 105°C
- The logo mark printed on the sleeve will be changed.
- RoHS2 Compliant

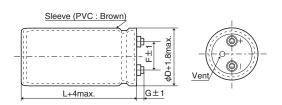


SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	-40 to +105℃							
Rated Voltage Range	400, 450V _{dc}							
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)							
Leakage Current	I=0.02CV or 5mA, which							
	Where, I: Max. leakage of	current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)						
Dissipation Factor (tan δ)	0.15 max.	0.15 max. (at 20℃, 120Hz)						
Low Temperature Characteristics	Capacitance change C(Capacitance change C(-25°C)/C(+20°C)≥0.7 (at 120Hz)						
Insulation Resistance		the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case by using leter of $500V_{cc}$, the insulation resistance shall not be less than $100M\Omega$.						
Insulation Withstanding Voltage		t_{ac} is applied for 1 minute between the terminals shorted each other and the mounting clamp on the insulating there shall not be electrical damage.						
Charge and Discharge		ns shall be satisfied when the capacitors are restored to 20℃ after subjected to charge and discharge test n shown below at room temperature (15 to 35℃).						
	Capacitance change	≦±20% of the initial value						
	D.F. (tan δ)	≦200% of the initial specified value						
	Leakage current	≦The initial specified value						
	Frequency	3Hz						
	Number of cycles	50 million times						
	Voltage waveform	Rated voltage - ≤150V						
Endurance	ns shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated the peak voltage shall not exceed the rated voltage) for 5,000 hours at 105°C.							
	≦±20% of the initial value							
	D.F. (tan δ)	≦200% of the initial specified value						
	Leakage current	≦The initial specified value						
Shelf Life	The following specification without voltage applied. Be 5101-4.	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C 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							
	≦200% of the initial specified value							
	Leakage current	≦The initial specified value						

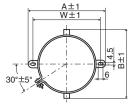
◆DIMENSIONS (Screw-Mount) [mm]

●Terminal Code: LG



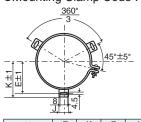
φ63.5, φ76.2 : G=6 ϕ 89 : G=4

•Mounting Clamp Code : B



φD	Α	В	W	F
63.5	90.0	76.0	80.0	28.0
76.2	104.5	90.0	93.5	31.5

•Mounting Clamp Code : C



ϕ D	Е	K	F	J	
63.5	38.1	43.5	28.0	14.0	
76.2	44.5	50.0	31.5	14.0	
89	50.8	56.5	31.5	16.0	

<Screw specifications>

Plus hexagon-headed screw :M5×0.8×10

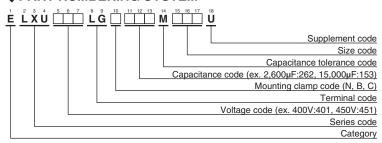
Maximum screw tightening torque :3.23Nm

^{*} The screw and the mounting clamp are separately supplied and not attached to the product.





◆PART NUMBERING SYSTEM



Please refer to "Product code guide (screw-mount terminal type)"

STANDARD RATINGS

V 3	IAND	ANDARD RATINGS									
WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	Rated ripple current (Arms/ 105°C, 120Hz)	Effective value of charge and discharge current (Arms/ 3Hz)	Part No.	WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	Rated ripple current (Arms/ 105°C, 120Hz)	Effective value of charge and discharge current (Arms/ 3Hz)	Part No.
	2,900	63.5 × 85	15.7	4.3	ELXU401LGC292MD85U		2,600	63.5 × 85	14.7	4.0	ELXU451LGC262MD85U
	3,400	63.5 × 95	17.6	4.8	ELXU401LGC342MD95U		3,000	63.5 × 95	16.3	4.5	ELXU451LGC302MD95U
	3,900	63.5×105	19.3	5.4	ELXU401LGC392MDA5U		3,400	63.5 × 105	17.9	5.0	ELXU451LGC342MDA5U
	4,300	76.2 × 85	21.3	6.0	ELXU401LGC432ME85U		3,800	76.2 × 85	19.8	5.6	ELXU451LGC382ME85U
	4,400	63.5×115	21.0	5.9	ELXU401LGC442MDB5U		3,900	63.5 × 115	19.6	5.6	ELXU451LGC392MDB5U
	4,900	63.5 × 125	22.6	6.4	ELXU401LGC492MDC5U		4,300	63.5 × 125	21.0	6.0	ELXU451LGC432MDC5U
	5,000	76.2×95	23.6	6.7	ELXU401LGC502ME95U		4,400	76.2×95	21.9	6.3	ELXU451LGC442ME95U
	5,400	63.5×135	24.0	6.9	ELXU401LGC542MDD5U		4,700	63.5 × 135	22.2	6.4	ELXU451LGC472MDD5U
	5,400	89 × 85	26.0	7.4	ELXU401LGC542MF85U		4,800	89 × 85	24.3	7.0	ELXU451LGC482MF85U
	5,700	76.2×105	25.7	7.4	ELXU401LGC572MEA5U		5,100	76.2 × 105	24.1	7.0	ELXU451LGC512MEA5U
	5,900	63.5×145	25.3	7.3	ELXU401LGC592MDE5U		5,200	63.5 × 145	23.6	6.9	ELXU451LGC522MDE5U
	6,300	63.5×155	26.4	7.7	ELXU401LGC632MDF5U		5,500	63.5 × 155	24.5	7.2	ELXU451LGC552MDF5U
	6,400	76.2 × 115	27.6	8.1	ELXU401LGC642MEB5U		5,700	76.2 × 115	25.9	7.6	ELXU451LGC572MEB5U
	6,400	89 × 95	28.8	8.4	ELXU401LGC642MF95U		5,700	89 × 95	27.0	8.0	ELXU451LGC572MF95U
400	7,000	63.5 × 170	27.9	8.2	ELXU401LGC702MDH0U	450	6,200	63.5 × 170	26.1	7.8	ELXU451LGC622MDH0U
400	7,200	76.2×125	29.6	8.8	ELXU401LGC722MEC5U	450	6,300	76.2 × 125	27.6	8.2	ELXU451LGC632MEC5U
	7,400	89 × 105	31.4	9.3	ELXU401LGC742MFA5U		6,600	89 × 105	29.4	8.8	ELXU451LGC662MFA5U
	7,800	63.5 × 190	29.5	8.8	ELXU401LGC782MDK0U		6,800	63.5 × 190	27.4	8.2	ELXU451LGC682MDK0U
	7,900	76.2 × 135	31.2	9.4	ELXU401LGC792MED5U		7,000	76.2 × 135	29.2	8.8	ELXU451LGC702MED5U
	8,400	89 × 115	33.8	10.2	ELXU401LGC842MFB5U		7,500	89 × 115	31.6	9.6	ELXU451LGC752MFB5U
	8,600	76.2 × 145	32.8	9.9	ELXU401LGC862MEE5U		7,700	76.2 × 145	30.7	9.3	ELXU451LGC772MEE5U
	9,300	76.2×155	34.1	10.5	ELXU401LGC932MEF5U		8,300	76.2 × 155	32.1	9.9	ELXU451LGC832MEF5U
	9,400	89 × 125	35.9	11.1	ELXU401LGC942MFC5U		8,400	89 × 125	33.7	10.4	ELXU451LGC842MFC5U
	10,000	76.2×170	35.5	11.0	ELXU401LGC103MEH0U		9,200	89 × 135	35.5	11.1	ELXU451LGC922MFD5U
	10,000	89 × 135	37.4	11.6	ELXU401LGC103MFD5U		9,300	76.2 × 170	33.8	10.6	ELXU451LGC932MEH0U
	11,000	76.2 × 190	37.1	11.7	ELXU401LGC113MEK0U		10,000	76.2 × 190	35.1	11.1	ELXU451LGC103MEK0U
	11,000	89 × 145	39.2	12.4	ELXU401LGC113MFE5U		10,000	89 × 145	37.1	11.8	ELXU451LGC103MFE5U
	12,000	89 × 155	40.8	13.1	ELXU401LGC123MFF5U		11,000	89 × 155	38.7	12.5	ELXU451LGC113MFF5U
	14,000	89 × 170	43.3	14.3	ELXU401LGC143MFH0U		12,000	89 × 170	40.5	13.3	ELXU451LGC123MFH0U
	15,000	89 × 190	44.7	14.9	ELXU401LGC153MFK0U		13,000	89 × 190	41.9	13.9	ELXU451LGC133MFK0U

◆RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Frequency (Hz)	50	120	300	1k	3k					
φ 63.5	0.70	1.00	1.40	1.80	2.00					
φ76.2	0.70	1.00	1.30	1.60	1.80					
φ89	0.70	1.00	1.20	1.40	1.50					

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.

Also, for the LXU series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For the details, please contact a representative of Nippon Chemi-Con.



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