

RLASeries

- Endurance with ripple current: 3,000 hours at 85°C
- High ripple current capability in a commercial frequency range
- High ripple current for inverter control like air conditioner
- Non solvent resistant type
- RoHS2 Compliant



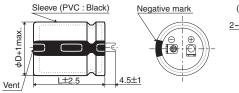


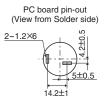
SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	-25 to +85℃							
Rated Voltage Range	180 to 250V							
Capacitance Tolerance	±10% (K) (at 20°C, 120Hz)							
Leakage Current	I≦3√CV Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)							
Dissipation Factor	Rated voltage (Vdc)	180 to 250V						
(tan δ)	tan δ (Max.)	0.15		(at 20℃, 120Hz)				
Low Temperature	Rated voltage (Vdc)	180 to 250V						
Characteristics	Z(-25°C)/Z(+20°C)	4						
(Max. Impedance Ratio)			•	(at 120Hz)				
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 3,000 hours at 85°C.							
	Capacitance change	≤±20% of the init	tial value					
	D. F. (tan δ)	≦200% of the initi	al specified value					
	Leakage current	≦The initial specif	ied value					
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 85°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	≦±15% of the init	tial value					
	D. F. (tan δ)	≤150% of the initi	al specified value					
	Leakage current	≦The initial specif	ied value					

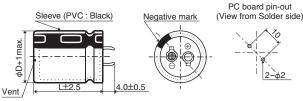
◆DIMENSIONS [mm]

•Terminal Code : LI (ϕ 30, ϕ 35) : Standard



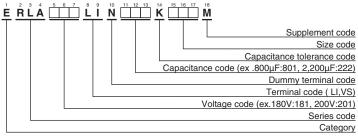


●Terminal Code : VS (φ30, φ35)



The standard design has no plastic disc.

◆PART NUMBERING SYSTEM



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





STANDARD RATINGS

WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 85°C, 120Hz)	Part No.	WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 85°C, 120Hz)	Part No.
	900	30 × 35	0.15	4.66	ERLA181LIN901KR35M		1,400	30 × 55	0.15	6.31	ERLA211LIN142KR55M
	1,100	30×40	0.15	5.17	ERLA181LIN112KR40M	210	1,500	35 × 45	0.15	6.21	ERLA211LIN152KA45M
	1,300	30 × 45	0.15	5.64	ERLA181LIN132KR45M	210	1,700	35 × 50	0.15	6.82	ERLA211LIN172KA50M
180	1,500	30×50	0.15	6.07	ERLA181LIN152KR50M		2,000	35 × 55	0.15	7.62	ERLA211LIN202KA55M
100	1,500	35 × 40	0.15	5.75	ERLA181LIN152KA40M		700	30 × 35	0.15	4.27	ERLA221LIN701KR35M
	1,700	30×55	0.15	6.63	ERLA181LIN172KR55M		900	30 × 40	0.15	4.85	ERLA221LIN901KR40M
	1,800	35 × 45	0.15	6.37	ERLA181LIN182KA45M		1,000	30 × 45	0.15	5.19	ERLA221LIN102KR45M
	2,000	35×50	0.15	6.84	ERLA181LIN202KA50M		1,000	35 × 35	0.15	4.87	ERLA221LIN102KA35M
	900	30 × 35	0.15	4.66	ERLA201LIN901KR35M	220	1,200	30 × 50	0.15	5.68	ERLA221LIN122KR50M
	1,000	30 × 40	0.15	5.01	ERLA201LIN102KR40M		1,200	35 × 40	0.15	5.44	ERLA221LIN122KA40M
	1,200	30 × 45	0.15	5.51	ERLA201LIN122KR45M		1,300	30 × 55	0.15	6.09	ERLA221LIN132KR55M
200	1,200	35×35	0.15	5.14	ERLA201LIN122KA35M		1,400	35 × 45	0.15	5.96	ERLA221LIN142KA45M
	1,400	30 × 50	0.15	5.95	ERLA201LIN142KR50M		1,600	35 × 50	0.15	6.51	ERLA221LIN162KA50M
	1,400	35×40	0.15	5.66	ERLA201LIN142KA40M		1,800	35 × 55	0.15	7.10	ERLA221LIN182KA55M
	1,500	30 × 55	0.15	6.36	ERLA201LIN152KR55M		600	30 × 35	0.15	4.03	ERLA251LIN601KR35M
	1,600	35×45	0.15	6.14	ERLA201LIN162KA45M		800	30 × 40	0.15	4.66	ERLA251LIN801KR40M
	1,900	35 × 50	0.15	6.82	ERLA201LIN192KA50M		900	30 × 45	0.15	5.01	ERLA251LIN901KR45M
	2,200	35 × 55	0.15	7.60	ERLA201LIN222KA55M	250	900	35 × 35	0.15	4.73	ERLA251LIN901KA35M
210	800	30 × 35	0.15	4.48	ERLA211LIN801KR35M		1,000	30 × 50	0.15	5.32	ERLA251LIN102KR50M
	900	30 × 40	0.15	4.86	ERLA211LIN901KR40M		1,100	35 × 40	0.15	5.33	ERLA251LIN112KA40M
	1,100	30 × 45	0.15	5.39	ERLA211LIN112KR45M		1,200	30 × 55	0.15	5.96	ERLA251LIN122KR55M
	1,100	35 × 35	0.15	5.06	ERLA211LIN112KA35M		1,200	35 × 45	0.15	5.68	ERLA251LIN122KA45M
	1,200	30×50	0.15	5.71	ERLA211LIN122KR50M		1,400	35 × 50	0.15	6.25	ERLA251LIN142KA50M
	1,300	35 × 40	0.15	5.65	ERLA211LIN132KA40M		1,600	35 × 55	0.15	6.87	ERLA251LIN162KA55M

PRATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

	•					
Frequency(Hz)	50	120	300	1k	10k	50k
180 to 250V _{dc}	0.70	1.00	1 17	1.32	1.45	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.



- 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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- The circuits described as examples in this catalog and the "delivery specifications" are featured in order to show the operations and usage of our products, however, this fact does not guarantee that the circuits are available to function in your equipment systems. We are not in any case responsible for any failures or damage caused by the use of information contained herein. You should examine our products, of which the characteristics are described in the "delivery specifications" and other documents, and determine whether or not our products suit your requirements according to the specifications of your equipment systems. Therefore, you bear final responsibility regarding the use of our products.
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 The aforementioned does not apply in the case of individual agreements deviating from the foregoing for customer-specific 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