



- Endurance with ripple current: 5,000 hours at 85°C
- High ripple current capability in a commercial frequency range
- High ripple current for inverter control like air conditioner
- Rated voltage range: 180 to 250Vdc, Capacitance range: 600 to 2,200µF
- Non solvent resistant type
- RoHS2 Compliant

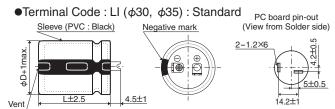




SPECIFICATIONS

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 \sqrt{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 5,000 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						

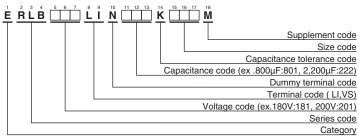
◆DIMENSIONS [mm]



The standard design has no plastic disc.

Terminal Code: VS (ϕ 30, ϕ 35) PC board pin-out (View from Solder side) Negative mark Vent L±2.5 A.0±0.5

◆PART NUMBERING SYSTEM



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





STANDARD RATINGS

VOTANDARD HATINGS											
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	ERLB181LIN901KR35M		1,400	30 × 55	0.15	6.31	ERLB211LIN142KR55M
	1,100	30×40	0.15	5.17	ERLB181LIN112KR40M	210	1,500	35 × 45	0.15	6.21	ERLB211LIN152KA45M
	1,300	30 × 45	0.15	5.64	ERLB181LIN132KR45M	210	1,700	35 × 50	0.15	6.82	ERLB211LIN172KA50M
180	1,500	30×50	0.15	6.07	ERLB181LIN152KR50M		2,000	35 × 55	0.15	7.62	ERLB211LIN202KA55M
100	1,500	35 × 40	0.15	5.75	ERLB181LIN152KA40M		700	30 × 35	0.15	4.27	ERLB221LIN701KR35M
	1,700	30 × 55	0.15	6.63	ERLB181LIN172KR55M		900	30 × 40	0.15	4.85	ERLB221LIN901KR40M
	1,800	35 × 45	0.15	6.37	ERLB181LIN182KA45M		1,000	30 × 45	0.15	5.19	ERLB221LIN102KR45M
	2,000	35×50	0.15	6.84	ERLB181LIN202KA50M	220	1,000	35 × 35	0.15	4.87	ERLB221LIN102KA35M
	900	30 × 35	0.15	4.66	ERLB201LIN901KR35M		1,200	30 × 50	0.15	5.68	ERLB221LIN122KR50M
	1,000	30 × 40	0.15	5.01	ERLB201LIN102KR40M	220	1,200	35 × 40	0.15	5.44	ERLB221LIN122KA40M
	1,200	30 × 45	0.15	5.51	ERLB201LIN122KR45M		1,300	30 × 55	0.15	6.09	ERLB221LIN132KR55M
	1,200	35 × 35	0.15	5.14	ERLB201LIN122KA35M		1,400	35 × 45	0.15	5.96	ERLB221LIN142KA45M
200	1,400	30 × 50	0.15	5.95	ERLB201LIN142KR50M		1,600	35 × 50	0.15	6.51	ERLB221LIN162KA50M
200	1,400	35 × 40	0.15	5.66	ERLB201LIN142KA40M		1,800	35 × 55	0.15	7.10	ERLB221LIN182KA55M
	1,500	30 × 55	0.15	6.36	ERLB201LIN152KR55M		600	30 × 35	0.15	4.03	ERLB251LIN601KR35M
	1,600	35 × 45	0.15	6.14	ERLB201LIN162KA45M		800	30 × 40	0.15	4.66	ERLB251LIN801KR40M
	1,900	35 × 50	0.15	6.82	ERLB201LIN192KA50M		900	30 × 45	0.15	5.01	ERLB251LIN901KR45M
	2,200	35 × 55	0.15	7.60	ERLB201LIN222KA55M		900	35 × 35	0.15	4.73	ERLB251LIN901KA35M
	800	30 × 35	0.15	4.48	ERLB211LIN801KR35M	250	1,000	30 × 50	0.15	5.32	ERLB251LIN102KR50M
	900	30 × 40	0.15	4.86	ERLB211LIN901KR40M	250	1,100	35 × 40	0.15	5.33	ERLB251LIN112KA40M
210	1,100	30 × 45	0.15	5.39	ERLB211LIN112KR45M		1,200	30 × 55	0.15	5.96	ERLB251LIN122KR55M
210	1,100	35×35	0.15	5.06	ERLB211LIN112KA35M		1,200	35 × 45	0.15	5.68	ERLB251LIN122KA45M
	1,200	30×50	0.15	5.71	ERLB211LIN122KR50M		1,400	35 × 50	0.15	6.25	ERLB251LIN142KA50M
	1,300	35 × 40	0.15	5.65	ERLB211LIN132KA40M		1,600	35 × 55	0.15	6.87	ERLB251LIN162KA55M

PRATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

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Frequency(Hz)	50	120	300	1k	10k	50k
180 to 250V ₄	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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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