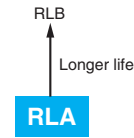


RLA Series

- 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
- Rated voltage range : 180 to 250Vdc, Capacitance range : 600 to 2,200μF
- Non solvent resistant type
- RoHS2 Compliant

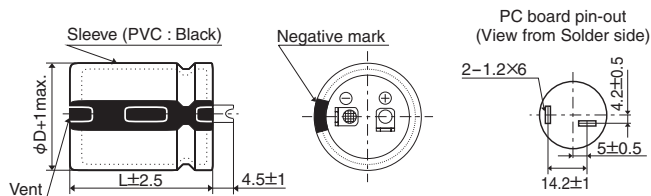


SPECIFICATIONS

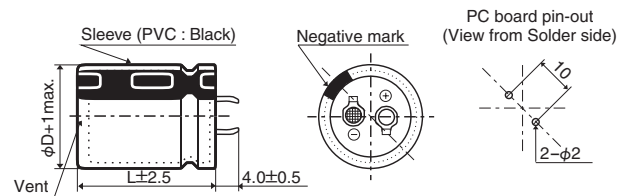
Items	Characteristics		
Category	-25 to +85°C		
Temperature Range			
Rated Voltage Range	180 to 250V		
Capacitance Tolerance	± 10% (K)		
Leakage Current	$I \leq 3/CV$ Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)		
Dissipation Factor (tan δ)	Rated voltage (V _{dc})	180 to 250V	(at 20°C, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	tan δ (Max.)	0.15	(at 20°C, 120Hz)
Endurance	Rated voltage (V _{dc})	180 to 250V	(at 20°C, 120Hz)
Shelf Life	Z(-25°C)/Z(+20°C)	4	(at 120Hz)
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			
D. F. (tan δ)			
Leakage current			
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			
D. F. (tan δ)			
Leakage current			

DIMENSIONS [mm]

- Terminal Code : LI (φ30, φ35) : Standard

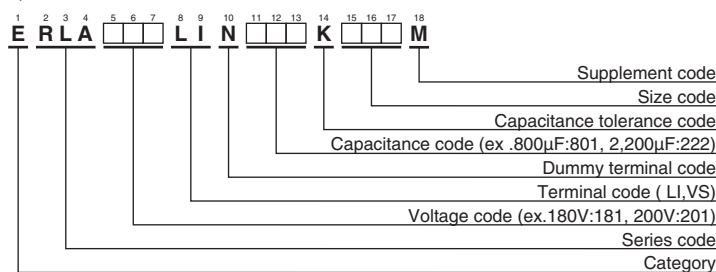


- Terminal Code : VS (φ30, φ35)



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.
180	900	30 × 35	0.15	4.66	ERLA181LIN901KR35M	210	1,400	30 × 55	0.15	6.31	ERLA211LIN142KR55M
	1,100	30 × 40	0.15	5.17	ERLA181LIN112KR40M		1,500	35 × 45	0.15	6.21	ERLA211LIN152KA45M
	1,300	30 × 45	0.15	5.64	ERLA181LIN132KR45M		1,700	35 × 50	0.15	6.82	ERLA211LIN172KA50M
	1,500	30 × 50	0.15	6.07	ERLA181LIN152KR50M		2,000	35 × 55	0.15	7.62	ERLA211LIN202KA55M
	1,500	35 × 40	0.15	5.75	ERLA181LIN152KA40M	220	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
200	900	30 × 35	0.15	4.66	ERLA201LIN901KR35M		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
	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	250	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
210	2,200	35 × 55	0.15	7.60	ERLA201LIN222KA55M		900	35 × 35	0.15	4.73	ERLA251LIN901KA35M
	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

◆RATED 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 endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

United Chemi-Con (UCC):

ERLA221LIN122KA40M	ERLA201LIN222KA55M	ERLA251LIN122KA45M	ERLA201LIN142KA40M
ERLA221LIN102KA35M	ERLA211LIN122KR50M	ERLA201LIN122KR45M	ERLA201LIN192KA50M
ERLA251LIN142KA50M	ERLA211LIN112KA35M	ERLA251LIN162KA55M	ERLA221LIN182KA55M
ERLA211LIN112KR45M	ERLA251LIN102KR50M	ERLA251LIN112KA40M	ERLA201LIN162KA45M
ERLA221LIN162KA50M	ERLA201LIN122KA35M	ERLA221LIN122KR50M	ERLA251LIN122KR55M
ERLA211LIN132KA40M	ERLA201LIN142KR50M	ERLA221LIN102KR45M	ERLA211LIN142KR55M
ERLA211LIN172KA50M	ERLA221LIN132KR55M	ERLA201LIN152KR55M	ERLA211LIN152KA45M
ERLA221LIN142KA45M	ERLA211LIN202KA55M	ERLA201LIN102KR40M	ERLA251LIN901KR45M
ERLA251LIN901KA35M	ERLA201LIN901KR35M	ERLA181LIN132KR45M	ERLA181LIN901KR35M
ERLA181LIN202KA50M	ERLA211LIN901KR40M	ERLA211LIN801KR35M	ERLA251LIN601KR35M
ERLA221LIN701KR35M	ERLA221LIN901KR40M	ERLA181LIN182KA45M	ERLA181LIN172KR55M
ERLA181LIN152KR50M	ERLA181LIN152KA40M	ERLA181LIN112KR40M	ERLA251LIN801KR40M