



# RWE-LR Series

- For high ripple current application such as air conditioning system
- Endurance with ripple current : 85°C 3000 hours
- Custom-made parts are also available upon requests

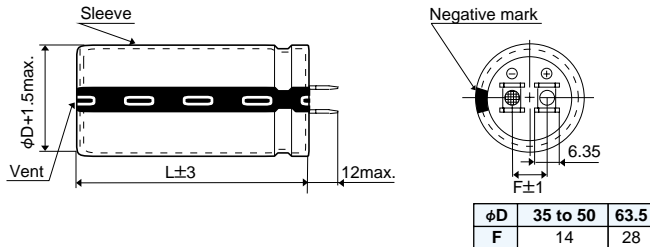


## ◆ SPECIFICATIONS

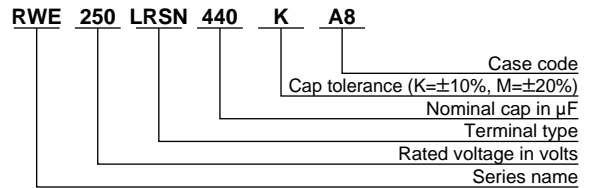
Items	Characteristics
Category	
Temperature Range	-25 to +85°C
Rated Voltage Range	250V <sub>dc</sub> 330 to 450V <sub>dc</sub>
Capacitance Tolerance	±10%, (K) (250V <sub>dc</sub> ) ±20% (M) (330 to 450V <sub>dc</sub> ) (at 20°C, 120Hz)
Leakage Current	I=0.02CV or 3mA, whichever is smaller. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)
Dissipation Factor (tanδ)	0.02 max. (250V <sub>dc</sub> ) 0.25 max. (330 to 450V <sub>dc</sub> ) (at 20°C, 120Hz)
Low Temperature Characteristics	Z(-25°C)/Z(+20°C) ≤ 4 (at 120Hz)
Insulation Resistance	When measured between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500V <sub>dc</sub> , the insulation shall not be less than 100MΩ.
Insulation Withstanding Voltage	When a voltage of 1500V <sub>ac</sub> is applied for 1 minute between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage.
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 for 3000 hours at 85°C.
	Capacitance change ≤ ±20% of the initial value
	D.F. (tanδ) ≤ 200% of the initial specified value
	Leakage current ≤ The initial specified value
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 85°C without voltage applied.
	Capacitance change ≤ ±15% of the initial value
	D.F. (tanδ) ≤ 150% of the initial specified value
	Leakage current ≤ The initial specified value

## ◆ DIMENSIONS [mm]

- Terminal Type : LRSN (φ35 to φ63.5)



## ◆ PART NUMBERING SYSTEM



## ◆ STANDARD RATINGS

μF	250		
	Case size	Case code	Rated ripple (Arms/85°C, 60Hz)
330	35×70	A7	4.5
360	35×70	A7	4.7
390	35×70	A7	4.9
440	35×80	A8	5.4
470	35×80	A8	5.6
500	35×90	A9	6.0

μF	330			350			400		
	Case size	Case code	Rated ripple (Arms/85°C, 120Hz)	Case size	Case code	Rated ripple (Arms/85°C, 120Hz)	Case size	Case code	Rated ripple (Arms/85°C, 120Hz)
1,000	35×80	A8	3.9	35×80	A8	3.9	35×100	A10	4.2
1,300	35×100	A10	4.8	35×100	A10	4.8	40×100	B10	5.2
1,500	35×100	A10	5.2	35×110	A11	5.4	40×110	B11	5.8
	40×90	B9	5.3	40×100	B10	5.5	50×90	C9	6.0
1,800	40×100	B10	6.1	40×110	B11	6.3	50×100	C10	6.9
				50×80	C8	6.2			
2,200	40×110	B11	7.0	50×90	C9	7.3	50×110	C11	7.9

μF	420			450		
	Case size	Case code	Rated ripple (Arms/85°C, 120Hz)	Case size	Case code	Rated ripple (Arms/85°C, 120Hz)
1,000	35×110	A11	4.4	40×100	B10	4.5
1,300	40×110	B11	5.4	50×90	C9	5.6
1,500	50×90	C9	6.0	50×100	C10	6.3
1,800	50×100	C10	6.9	50×120	C12	7.5
2,200	50×120	C12	8.3	63.5×100	D10	8.7