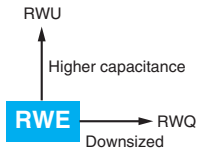


# RWE Series

- Endurance with ripple current : 85°C 2,000 hours
- RoHS2 Compliant

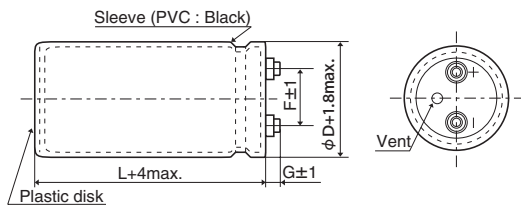


## SPECIFICATIONS

Items	Characteristics			
Category	-25 to +85℃			
Temperature Range				
Rated Voltage Range	350 to 450V <sub>dc</sub>			
Capacitance Tolerance	±20% (M) <div>(at 20℃, 120Hz)</div>			
Leakage Current	I=0.02CV or 5mA, whichever is smaller. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) <div>(at 20℃ after 5 minutes)</div>			
Dissipation Factor (tan δ)	0.25 max. <div>(at 20℃, 120Hz)</div>			
Low Temperature Characteristics	Capacitance change	Rated Voltage (V <sub>dc</sub> )	350 to 450V	
		C(-25℃)/C(+20℃)	≥0.7	
Insulation Resistance	When measured between the terminals that are connected to each other and to the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500V <sub>dc</sub> , the insulation resistance shall not be less than 100MΩ.			
Insulation Withstanding Voltage	When a voltage of 2,000V <sub>ac</sub> is applied for 1 minute between the terminals that are connected to each other and to 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℃ after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 2,000 hours at 85℃.			
	Capacitance change	≤ ±20% of the initial value		
	D.F. (tan δ)	≤300% 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℃ after exposing them for 500 hours at 85℃ 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		
	D.F. (tan δ)	≤300% of the initial specified value		
	Leakage current	≤The initial specified value		

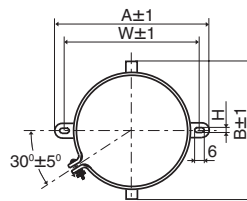
## DIMENSIONS (Screw-Mount) [mm]

- Terminal Code : LG



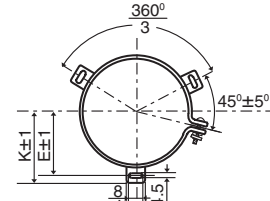
φ35 to φ63.5 : G=6  
φ76.2 & φ89 : G=5

- Mounting Clamp Code : B



φD	A	B	W	H	F
35	58.0	44.0	48.0	3.5	12.7
50	78.0	64.0	68.0	4.5	22.4
63.5	90.0	76.0	80.0	4.5	28.0
76.2	104.5	90.0	93.5	4.5	31.5

- Mounting Clamp Code : C



φD	E	K	F	J
50	32.5	37.0	22.4	14.0
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

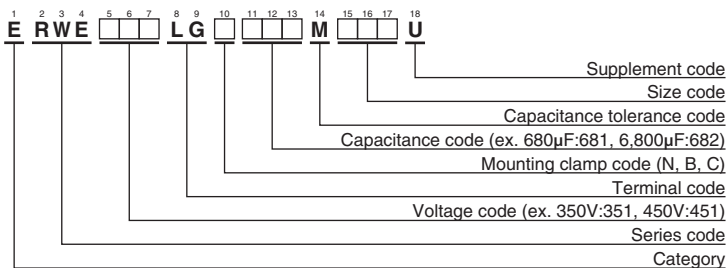
<Screw specifications>

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)"

## RWE Series

### ◆STANDARD RATINGS

WV (V <sub>dc</sub> )	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 85°C, 120Hz)	Part No.
350	390	35 × 50	0.25	1.90	ERWE351LGB391MA50U
	680	35 × 80	0.25	2.90	ERWE351LGB681MA80U
	1,000	35 × 100	0.25	3.80	ERWE351LGB102MAA0U
	1,200	35 × 120	0.25	4.20	ERWE351LGB122MAC0U
	1,500	50 × 75	0.25	4.70	ERWE351LGC152MC75U
	2,200	50 × 96	0.25	6.30	ERWE351LGC222MC96U
	3,300	50 × 130	0.25	8.80	ERWE351LGC332MCD0U
	3,300	63.5 × 96	0.25	8.80	ERWE351LGC332MD96U
	3,900	63.5 × 115	0.25	10.3	ERWE351LGC392MDB5U
	4,700	63.5 × 130	0.25	12.0	ERWE351LGC472MDD0U
	4,700	76.2 × 96	0.25	11.7	ERWE351LGC472ME96U
	5,600	76.2 × 115	0.25	12.6	ERWE351LGC562MEB5U
	6,800	76.2 × 130	0.25	15.9	ERWE351LGC682MED0U
	8,200	76.2 × 155	0.25	19.0	ERWE351LGC822MEF5U
400	12,000	89 × 155	0.25	22.5	ERWE351LGC123MFF5U
	330	35 × 50	0.25	1.70	ERWE401LGB331MA50U
	560	35 × 80	0.25	2.70	ERWE401LGB561MA80U
	820	35 × 100	0.25	3.40	ERWE401LGB821MAA0U
	1,000	35 × 120	0.25	3.90	ERWE401LGB102MAC0U
	1,200	50 × 75	0.25	4.20	ERWE401LGC122MC75U
	1,800	50 × 96	0.25	5.70	ERWE401LGC182MC96U
	2,200	50 × 130	0.25	7.20	ERWE401LGC222MCD0U
	2,700	63.5 × 96	0.25	7.90	ERWE401LGC272MD96U
	3,300	63.5 × 115	0.25	9.50	ERWE401LGC332MDB5U
	3,900	63.5 × 130	0.25	10.9	ERWE401LGC392MDD0U
	3,900	76.2 × 96	0.25	10.6	ERWE401LGC392ME96U
	4,700	76.2 × 115	0.25	12.6	ERWE401LGC472MEB5U
	5,600	76.2 × 130	0.25	14.5	ERWE401LGC562MED0U
	6,800	76.2 × 155	0.25	17.3	ERWE401LGC682MEF5U
	10,000	89 × 155	0.25	20.5	ERWE401LGC103MFF5U

WV (V <sub>dc</sub> )	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 85°C, 120Hz)	Part No.
450	270	35 × 50	0.25	1.60	ERWE451LGB271MA50U
	470	35 × 80	0.25	2.40	ERWE451LGB471MA80U
	680	35 × 100	0.25	3.10	ERWE451LGB681MAA0U
	820	35 × 120	0.25	3.50	ERWE451LGB821MAC0U
	1,000	50 × 75	0.25	3.90	ERWE451LGC102MC75U
	1,200	50 × 96	0.25	4.70	ERWE451LGC122MC96U
	1,500	50 × 115	0.25	5.60	ERWE451LGC152MCB5U
	1,800	50 × 130	0.25	6.50	ERWE451LGC182MCD0U
	2,200	63.5 × 96	0.25	7.20	ERWE451LGC222MD96U
	2,700	63.5 × 115	0.25	8.60	ERWE451LGC272MDB5U
	3,300	63.5 × 130	0.25	10.0	ERWE451LGC332MDD0U
	3,300	76.2 × 96	0.25	9.80	ERWE451LGC332ME96U
	3,900	76.2 × 115	0.25	11.5	ERWE451LGC392MEB5U
	4,700	76.2 × 130	0.25	13.3	ERWE451LGC472MED0U
	5,600	76.2 × 155	0.25	15.7	ERWE451LGC562MEF5U
	8,200	89 × 155	0.25	18.6	ERWE451LGC822MFF5U

### ◆RATED RIPPLE CURRENT MULTIPLIERS

#### ● Frequency Multipliers

Frequency (Hz)	50	120	300	1k	3k
Coefficient	0.8	1.0	1.1	1.3	1.4

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