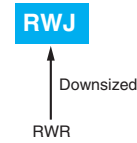


RWJ New! Series

- Downsized and high ripple current from RWR series
- Endurance with ripple current : 2,000 hours at 85°C
- RoHS2 Compliant

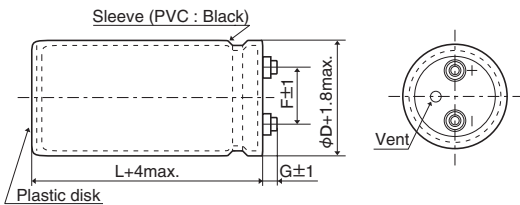


◆ SPECIFICATIONS

Items	Characteristics						
Category	-40 to +85°C						
Temperature Range							
Rated Voltage Range	350 to 450V _{dc}						
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)						
Leakage Current	I=0.02CV or 5mA, 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 (tan δ)	0.15 max. (at 20°C, 120Hz)						
Low Temperature Characteristics	Capacitance change $C(-25^{\circ}\text{C})/C(+20^{\circ}\text{C}) \geq 0.7$ (at 120Hz)						
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 _{dc} , the insulation resistance shall not be less than 100MΩ.						
Insulation Withstanding Voltage	When a voltage of 2,000V _{ac} 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°C 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°C. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Capacitance change</td> <td>≤ ±20% of the initial value</td> </tr> <tr> <td>D.F. (tan δ)</td> <td>≤ 200% of the initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>≤ The initial specified value</td> </tr> </table>	Capacitance change	≤ ±20% of the initial value	D.F. (tan δ)	≤ 200% of the initial specified value	Leakage current	≤ The initial specified value
Capacitance change	≤ ±20% of the initial value						
D.F. (tan δ)	≤ 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 500 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. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Capacitance change</td> <td>≤ ±20% of the initial value</td> </tr> <tr> <td>D.F. (tan δ)</td> <td>≤ 200% of the initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>≤ The initial specified value</td> </tr> </table>	Capacitance change	≤ ±20% of the initial value	D.F. (tan δ)	≤ 200% of the initial specified value	Leakage current	≤ The initial specified value
Capacitance change	≤ ±20% of the initial value						
D.F. (tan δ)	≤ 200% of the initial specified value						
Leakage current	≤ The initial specified value						

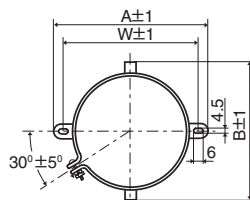
◆ DIMENSIONS (Screw-Mount) [mm]

● Terminal Code : LG



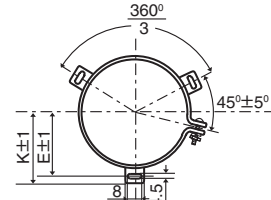
φ63.5, φ76.2 : G=6
φ89 : G=4

● Mounting Clamp Code : B



φD	A	B	W	F
63.5	90.0	76.0	80.0	28.0
76.2	104.5	90.0	93.5	31.5

● Mounting Clamp Code : C



φD	E	K	F	J
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

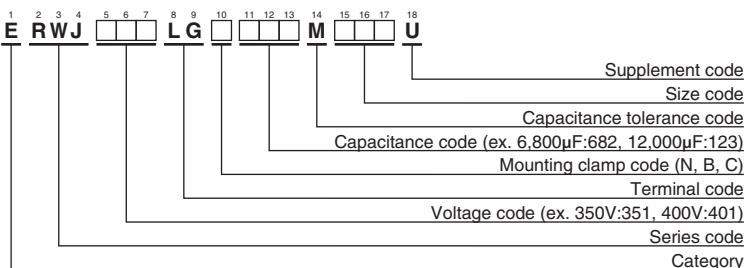
<Screw specifications>

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)"

◆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.
350	3,900	63.5 × 105	0.15	18.1	ERWJ351LGC392MDA5U	400	3,300	63.5 × 105	0.15	16.6	ERWJ401LGC332MDA5U
	4,700	63.5 × 125	0.15	21.5	ERWJ351LGC472MDC5U		3,900	63.5 × 125	0.15	19.4	ERWJ401LGC392MDC5U
	5,600	63.5 × 145	0.15	25.0	ERWJ351LGC562MDE5U		4,700	63.5 × 145	0.15	22.8	ERWJ401LGC472MDE5U
	5,600	76.2 × 105	0.15	23.5	ERWJ351LGC562MEA5U		4,700	76.2 × 105	0.15	21.4	ERWJ401LGC472MEA5U
	6,800	63.5 × 185	0.15	30.8	ERWJ351LGC682MDJ5U		5,600	76.2 × 125	0.15	25.2	ERWJ401LGC562MEC5U
	6,800	76.2 × 125	0.15	27.9	ERWJ351LGC682MEC5U		6,800	76.2 × 145	0.15	29.6	ERWJ401LGC682MEE5U
	8,200	76.2 × 145	0.15	32.7	ERWJ351LGC822MEE5U		6,800	89 × 110	0.15	26.3	ERWJ401LGC682MFB0U
	10,000	76.2 × 185	0.15	40.3	ERWJ351LGC103MEJ5U		8,200	89 × 130	0.15	31.0	ERWJ401LGC822MFD0U
	10,000	89 × 130	0.15	34.4	ERWJ351LGC103MFD0U		10,000	89 × 150	0.15	36.5	ERWJ401LGC103MFF0U
12,000	89 × 150	0.15	40.1	ERWJ351LGC123MFF0U	12,000	89 × 190	0.15	44.3	ERWJ401LGC123MFK0U		
375	3,300	63.5 × 105	0.15	16.6	ERWJ3H1LGC332MDA5U	450	2,700	63.5 × 105	0.15	15.0	ERWJ451LGC272MDA5U
	4,700	63.5 × 145	0.15	22.8	ERWJ3H1LGC472MDE5U		3,300	63.5 × 125	0.15	18.0	ERWJ451LGC332MDC5U
	4,700	76.2 × 105	0.15	21.4	ERWJ3H1LGC472MEA5U		3,900	63.5 × 145	0.15	20.9	ERWJ451LGC392MDE5U
	6,800	63.5 × 185	0.15	30.7	ERWJ3H1LGC682MDJ5U		3,900	76.2 × 105	0.15	19.6	ERWJ451LGC392MEA5U
	6,800	89 × 110	0.15	26.3	ERWJ3H1LGC682MFB0U		4,700	63.5 × 185	0.15	25.6	ERWJ451LGC472MDJ5U
	8,200	89 × 130	0.15	31.0	ERWJ3H1LGC822MFD0U		4,700	76.2 × 125	0.15	23.2	ERWJ451LGC472MEC5U
	10,000	76.2 × 185	0.15	40.0	ERWJ3H1LGC103MEJ5U		5,600	76.2 × 145	0.15	27.0	ERWJ451LGC562MEE5U
	10,000	89 × 150	0.15	36.4	ERWJ3H1LGC103MFF0U		5,600	89 × 110	0.15	24.0	ERWJ451LGC562MFB0U
	12,000	89 × 190	0.15	44.3	ERWJ3H1LGC123MFK0U		6,800	89 × 130	0.15	28.3	ERWJ451LGC682MFD0U
						8,200	89 × 150	0.15	33.1	ERWJ451LGC822MFF0U	
						10,000	89 × 190	0.15	40.6	ERWJ451LGC103MFK0U	

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

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

Note : The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5 to 10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced. Also, for the RWJ 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.