



LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS Inverter-use screw terminal, 85°C

RWY Series

- High ripple capability
- Endurance with ripple current : 85°C 5000 hours
- Cost-down design for three-phase input inverters

RWY

↑ low price version
RWF



◆ SPECIFICATIONS

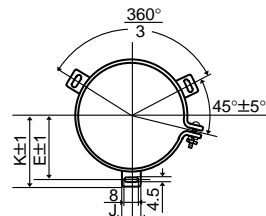
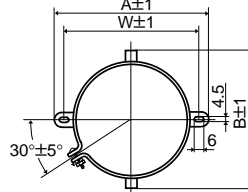
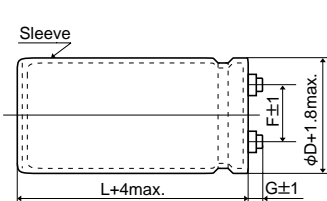
Items	Characteristics						
Category Temperature Range	-25 to +85°C						
Rated Voltage Range	350 to 450V _{dc}						
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)						
Leakage Current	I=0.02CV or 5mA, whichever is smaller. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)						
Dissipation Factor (tanδ)	0.12 max. (at 20°C, 120Hz)						
Low Temperature Characteristics	Capacitance change $C(-25°C)/C(+20°C) \geq 0.7$ (at 120Hz)						
Insulation Resistance	When it is 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 _{dc} , the insulation resistance shall not be less than 100MΩ.						
Insulation Withstanding Voltage	When a voltage of 2000Vac 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 5000 hours at 85°C.						
	<table border="1"> <tr> <td>Capacitance change</td> <td>≤±20% of the initial value</td> </tr> <tr> <td>D.F. (tanδ)</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. (tanδ)	≤200% of the initial specified value	Leakage current	≤The initial specified value
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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.						
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◆ DIMENSIONS (Screw-Mount) [mm]

● Terminal Code : LG

● Mounting Clamp Code : B

● Mounting Clamp Code : C



<Screw specifications>

φ50 to φ89

Plus hexagon-headed screw :

M5×0.8×10

Maximum screw tightening torque : 3.23Nm

φ100

Cross-recessed head (Phillips) screw : M8×1.25×16

Spring washer

Washer

Maximum screw tightening torque : 6.31Nm

φ50 to φ76 : G=6

φ89 : G=4

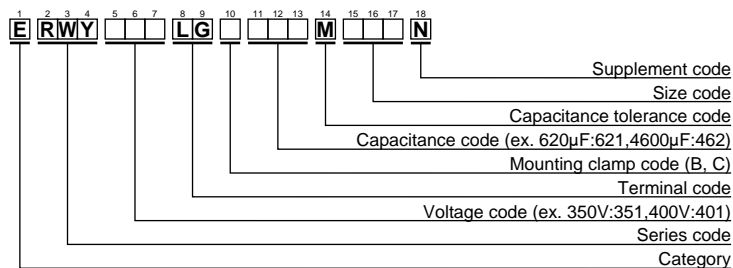
φ100 : G=10

φD	A	B	W	F
50	78	64	68	22.4
63.5	90	76	80	28.0
76	104.5	90	93.5	31.5

φD	E	K	F	J
63.5	38.1	43.5	28.0	14.0
76	44.5	50.0	31.5	14.0
89	50.8	56.5	31.5	16.0
100	56.5	63.4	41.5	18.0

* The screw and the mounting clamp are separately supplied and not attached to the product.

◆ PART NUMBERING SYSTEM



Please refer to "A guide to global code (screw-mount terminal type)"



RWY Series

◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/85°C,300Hz)	Part No.	WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/85°C,300Hz)	Part No.	
350	750	50×75	0.12	5.1	ERWY351LGC751MC75N	400	3200	63.5×170	0.12	17.3	ERWY401LGC322MDH0N	
	1100	50×96	0.12	6.9	ERWY351LGC112MC96N		3400	76×130	0.12	17.5	ERWY401LGC342MED0N	
	1300	50×105	0.12	7.8	ERWY351LGC132MCA5N		4200	76×155	0.12	21.1	ERWY401LGC422MEF5N	
	1600	50×130	0.12	9.5	ERWY351LGC162MCD0N		4600	76×170	0.12	23.0	ERWY401LGC462MEH0N	
	1800	63.5×96	0.12	10.0	ERWY351LGC182MD96N		5700	89×155	0.12	24.7	ERWY401LGC572MFF5N	
	1900	50×145	0.12	10.7	ERWY351LGC192MCE5N		6400	89×170	0.12	27.0	ERWY401LGC642MFH0N	
	2400	63.5×115	0.12	12.6	ERWY351LGC242MDB5N		7000	89×190	0.12	30.0	ERWY401LGC702MFK0N	
	2800	63.5×130	0.12	14.3	ERWY351LGC282MDD0N		7900	100×190	0.12	34.0	ERWY401LGC792MGK0N	
	3400	63.5×155	0.12	17.1	ERWY351LGC342MDF5N		9400	100×220	0.12	39.6	ERWY401LGC942MGN0N	
	3500	76×115	0.12	16.9	ERWY351LGC352MEB5N		12000	100×270	0.12	49.2	ERWY401LGC123MGT0N	
	3800	63.5×170	0.12	18.8	ERWY351LGC382MDH0N		450	500	50×75	0.12	4.0	ERWY451LGC501MC75N
	4000	76×130	0.12	19.0	ERWY351LGC402MED0N			710	50×96	0.12	5.2	ERWY451LGC711MC96N
	5000	76×155	0.12	23.0	ERWY351LGC502MEF5N			840	50×105	0.12	5.9	ERWY451LGC841MCA5N
	5600	76×170	0.12	25.3	ERWY351LGC562MEH0N			1100	50×130	0.12	7.5	ERWY451LGC112MCD0N
	6900	89×155	0.12	27.2	ERWY351LGC692MFF5N			1200	63.5×96	0.12	7.8	ERWY451LGC122MD96N
	7700	89×170	0.12	29.6	ERWY351LGC772MFH0N			1300	50×145	0.12	8.4	ERWY451LGC132MCE5N
	8400	89×190	0.12	32.9	ERWY351LGC842MFK0N			1600	63.5×115	0.12	9.8	ERWY451LGC162MDB5N
	9500	100×190	0.12	37.3	ERWY351LGC952MGK0N			1800	63.5×130	0.12	10.9	ERWY451LGC182MDD0N
11000	100×220	0.12	42.9	ERWY351LGC113MGN0N	2300	63.5×155		0.12	13.3	ERWY451LGC232MDF5N		
14000	100×270	0.12	53.1	ERWY351LGC143MGT0N	2300	76×115		0.12	13.0	ERWY451LGC232MEB5N		
400	620	50×75	0.12	4.6	ERWY401LGC621MC75N	2500		63.5×170	0.12	14.5	ERWY451LGC252MDH0N	
	880	50×96	0.12	6.1	ERWY401LGC881MC96N	2700		76×130	0.12	14.8	ERWY451LGC272MED0N	
	1000	50×105	0.12	6.8	ERWY401LGC102MCA5N	3300		76×155	0.12	17.7	ERWY451LGC332MEF5N	
	1400	50×130	0.12	8.9	ERWY401LGC142MCD0N	3700		76×170	0.12	19.5	ERWY451LGC372MEH0N	
	1500	63.5×96	0.12	9.1	ERWY401LGC152MD96N	4600		89×155	0.12	22.2	ERWY451LGC462MFF5N	
	1600	50×145	0.12	9.9	ERWY401LGC162MCE5N	5100		89×170	0.12	24.1	ERWY451LGC512MFH0N	
	2000	63.5×115	0.12	11.5	ERWY401LGC202MDB5N	5700		89×190	0.12	27.1	ERWY451LGC572MFK0N	
	2300	63.5×130	0.12	13.0	ERWY401LGC232MDD0N	6400		100×190	0.12	30.6	ERWY451LGC642MGK0N	
	2800	63.5×155	0.12	15.5	ERWY401LGC282MDF5N	7600	100×220	0.12	35.6	ERWY451LGC762MGN0N		
	2900	76×115	0.12	15.4	ERWY401LGC292MEB5N	9500	100×270	0.12	43.7	ERWY451LGC952MGT0N		

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

Frequency (Hz)	120	300	1k	3k
Coefficient	0.83	1.0	1.25	1.33

Note : The endurance of capacitors is shorted with internal heating produced by ripple currents 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 RWY series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For the details, please contact a representative of Nippon Chemi-Con.