

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



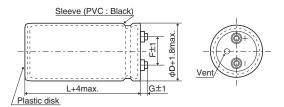


SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-25 to +85℃								
Rated Voltage Range	350 to 450Vdc	350 to 450V _{dc}							
Capacitance Tolerance	±20% (M)		(at 20°C, 120Hz)						
Leakage Current	I=0.02CV or 5mA, which	I=0.02CV or 5mA, whichever is smaller.							
	Where, I: Max. leakage	Where, I : Max. leakage current (μ A), C : Nominal capacitance (μ F), V : Rated voltage (V) (at 20°C after 5 minutes)							
Dissipation Factor (tan δ)	0.25 max.		(at 20°C, 120Hz)						
Low Temperature Characteristics	Capacitance change C(Capacitance change C(-25℃)/C(+20℃)≧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 $100M\Omega$.								
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.								
	Capacitance change ≤±20% of the initial value								
	D.F. (tan δ)	≦300% of the initial specified value							
	Leakage current	≦The initial specified value							
Useful life	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with								
	- ' ' '	the peak voltage shall not exceed the rate	ed voltage) for 5,000 hours at 85℃.						
	Capacitance change	≤±30% of the initial value							
	D.F. (tan δ)	≦300% of the initial specified value							
	Leakage current	≦The initial specified value							
	Failure rate	≦1%							
Shelf Life	J 0 1		e restored to 20°C after exposing them for 500 hours at 85°C without onditioned by applying voltage according to Item 4.1 of JIS C 5101-4.						
	Capacitance change	\leq ±20% of the initial value							
	Leakage current ≦The initial specified value								

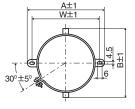
◆DIMENSIONS (Screw-Mount) [mm]

●Terminal Code: LG



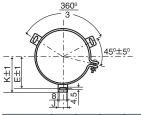
φ63.5, φ76.2 : G=6 ϕ 89 : G=4

•Mounting Clamp Code : B



φD	Α	A B		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	Е	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	

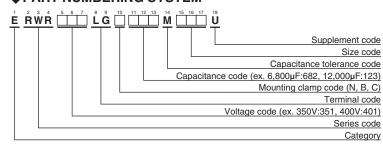
<Screw specifcations>

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)"

RWR

STANDARD RATINGS

WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 85°C, 120Hz)	Part No.	
	3,900	63.5 × 100	0.25	13.7	ERWR351LGC392MDA0U	
	4,700	63.5 × 100	0.25	15.1	ERWR351LGC472MDA0U	
	5,600	63.5 × 115	0.25	17.5	ERWR351LGC562MDB5U	
	5,600	76.2 × 100	0.25	18.2	ERWR351LGC562MEA0U	
350	6,800	76.2×100	0.25	20.1	ERWR351LGC682MEA0U	
	8,200	76.2 × 115	0.25	23.4	ERWR351LGC822MEB5U	
	10,000	76.2 × 135	0.25	27.7	ERWR351LGC103MED5U	
	12,000	89 × 125	0.25	28.9	ERWR351LGC123MFC5U	
	15,000	89 × 150	0.25	34.9	ERWR351LGC153MFF0U	
	3,300	63.5 × 100	0.25	12.6	ERWR401LGC332MDA0U	
	3,900	63.5 × 100	0.25	13.7	ERWR401LGC392MDA0U	
400	4,700	63.5 × 115	0.25	16.0	ERWR401LGC472MDB5U	
	4,700	76.2 × 100	0.25	16.7	ERWR401LGC472MEA0U	
	5,600	63.5 × 130	0.25	18.4	ERWR401LGC562MDD0U	

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 85°C, 120Hz)	Part No.
	6,800	76.2 × 110	0.25	20.9	ERWR401LGC682MEB0U
400	8,200	76.2 × 130	0.25	24.7	ERWR401LGC822MED0U
400	10,000	89 × 125	0.25	26.4	ERWR401LGC103MFC5U
	12,000	89 × 145	0.25	30.8	ERWR401LGC123MFE5U
	2,700	63.5 × 100	0.25	11.4	ERWR451LGC272MDA0U
	3,300	63.5×105	0.25	12.9	ERWR451LGC332MDA5U
	3,900	63.5 × 115	0.25	14.6	ERWR451LGC392MDB5U
	3,900	76.2 × 100	0.25	15.2	ERWR451LGC392MEA0U
450	4,700	63.5 × 135	0.25	17.2	ERWR451LGC472MDD5U
450	4,700	76.2 × 105	0.25	17.0	ERWR451LGC472MEA5U
	5,600	76.2 × 115	0.25	19.3	ERWR451LGC562MEB5U
	6,800	76.2 × 135	0.25	22.8	ERWR451LGC682MED5U
	8,200	89 × 125	0.25	23.9	ERWR451LGC822MFC5U
	10,000	89 × 150	0.25	28.5	ERWR451LGC103MFF0U

TABLE CURRENT MULTIPLIERS

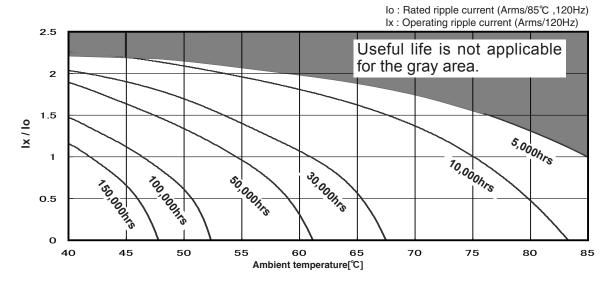
Frequency Multipliers

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℃ rise. When long life performance is required in actual use, the rms ripple current has to be reduced. Also, for the RWR 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.

♦USEFUL LIFE

Useful life depending on the ambient temperature Tx under ripple current operating conditions



◆Warning!

Useful life shall indicate the end of the life time without exceeding the specified failure rate. It's generally known that Aluminum Electrolytic Capacitors have wear-out failure mode with gradual deteriorate of the electrical parameters and should have large number of the failure rate at the end of life. The useful life time is specified by a certain failure rate.

It's not a guaranteed specification.

Generally the maximum life time is 15 years (131,000hours) considering sealing material deteriorate. When a longer life time is required for your application, please consult us.