- ODownsized, high ripple version of RWF series
- ■20% better ripple current at 300Hz than RWF series
- Endurance with ripple current: 5,000 hours at 85°C
- RoHS Compliant

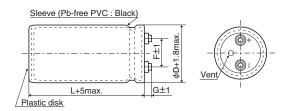


# **♦**SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-25 to +85℃								
Rated Voltage Range	350 to 450V <sub>dc</sub>	350 to 450V <sub>dc</sub>							
Capacitance Tolerance	±20% (M)		(at 20℃, 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 $\delta$ )	0.25 max.	0.25 max. (at 20℃, 120Hz)							
Low Temperature Characteristics	Capacitance change C(	Capacitance change C(-25°C)/C(+20°C)≧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 $500V_{sc}$ , the insulation resistance shall not be less than $100M\Omega$ .								
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°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 85°C.								
	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 with voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 51.								
	Capacitance change	$\leq$ ±20% of the initial value							
	D.F. $(\tan \delta)$ $\leq 200\%$ of the initial specified value								
	Leakage current ≦The initial specified value								

# **◆DIMENSIONS (Screw-Mount) [mm]**

●Terminal Code: LG

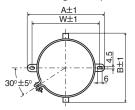


 $\phi$ 50 : G=6

φ63.5, φ76.2 : G=5

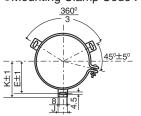
 $\phi$ 89 : G=4

●Mounting Clamp Code : B



φD	Α	В	W	F	
50	78.0	64.0	68.0	22.4	
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	
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	

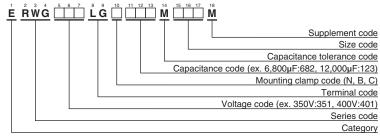
### <Screw specifications>

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)"



# **STANDARD RATINGS**

WV (V <sub>dc</sub> )	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/85°C)		Part No.	
				120Hz	300Hz		
	2,200	50 × 96	0.25	7.70	9.20	ERWG351LGC222MC96M	
	2,700	50 × 105	0.25	8.90	10.6	ERWG351LGC272MCA5M	
	3,300	50 × 115	0.25	10.3	12.3	ERWG351LGC332MCB5M	
	3,900	50 × 130	0.25	11.8	14.1	ERWG351LGC392MCD0M	
	4,700	63.5 × 115	0.25	13.6	16.3	ERWG351LGC472MDB5M	
	5,600	$63.5 \times 130$	0.25	15.7	18.8	ERWG351LGC562MDD0M	
350	6,800	63.5 × 155	0.25	18.8	22.5	ERWG351LGC682MDF5M	
	6,800	76.2 × 115	0.25	18.2	21.8	ERWG351LGC682MEB5M	
	8,200	63.5 × 190	0.25	22.6	27.1	ERWG351LGC822MDK0M	
	8,200	$76.2 \times 130$	0.25	21.0	25.2	ERWG351LGC822MED0M	
	10,000	$76.2 \times 155$	0.25	25.1	30.1	ERWG351LGC103MEF5M	
	12,000	76.2 × 170	0.25	28.7	34.4	ERWG351LGC123MEH0M	
	15,000	89 × 155	0.25	33.6	40.3	ERWG351LGC153MFF5M	
	15,000	89 × 170	0.25	35.0	42.0	ERWG351LGC153MFH0M	
	18,000	89 × 190	0.25	40.3	48.3	ERWG351LGC183MFK0M	
	1,800	50 × 96	0.25	7.00	8.40	ERWG401LGC182MC96M	
400	2,200	50 × 105	0.25	8.10	9.70	ERWG401LGC222MCA5M	
	2,700	50 × 115	0.25	9.30	11.1	ERWG401LGC272MCB5M	
	3,300	50 × 130	0.25	10.9	13.0	ERWG401LGC332MCD0M	
	3,900	$63.5 \times 115$	0.25	12.4	14.8	ERWG401LGC392MDB5M	
	4,700	63.5 × 130	0.25	14.4	17.2	ERWG401LGC472MDD0M	
	5,600	63.5 × 155	0.25	17.0	20.4	ERWG401LGC562MDF5M	
	5,600	76.2 × 115	0.25	16.5	19.8	ERWG401LGC562MEB5M	

WV (V <sub>dc</sub> )	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/85°C)		Part No.	
				120Hz	300Hz		
	6,800	63.5 × 190	0.25	20.6	24.7	ERWG401LGC682MDK0M	
	6,800	76.2 × 130	0.25	19.2	23.0	ERWG401LGC682MED0M	
	8,200	76.2 × 155	0.25	22.7	27.2	ERWG401LGC822MEF5M	
400	10,000	$76.2 \times 170$	0.25	26.2	31.4	ERWG401LGC103MEH0M	
	12,000	89 × 155	0.25	30.0	36.0	ERWG401LGC123MFF5M	
	12,000	89 × 170	0.25	31.3	37.5	ERWG401LGC123MFH0M	
	15,000	89 × 190	0.25	36.7	44.0	ERWG401LGC153MFK0M	
	1,500	50 × 96	0.25	6.40	7.60	ERWG451LGC152MC96M	
	1,800	50 × 105	0.25	7.30	8.70	ERWG451LGC182MCA5M	
	2,200	50 × 115	0.25	8.40	10.0	ERWG451LGC222MCB5M	
	2,700	50 × 130	0.25	9.80	11.7	ERWG451LGC272MCD0M	
	3,300	63.5 × 115	0.25	11.4	13.6	ERWG451LGC332MDB5M	
	3,900	63.5 × 130	0.25	13.1	15.7	ERWG451LGC392MDD0M	
	4,700	63.5 × 155	0.25	15.6	18.7	ERWG451LGC472MDF5M	
450	4,700	76.2 × 115	0.25	15.1	18.1	ERWG451LGC472MEB5M	
	5,600	$63.5 \times 190$	0.25	18.7	22.4	ERWG451LGC562MDK0M	
	5,600	76.2 × 130	0.25	17.4	20.8	ERWG451LGC562MED0M	
	6,800	76.2 × 155	0.25	20.7	24.8	ERWG451LGC682MEF5M	
	8,200	76.2 × 170	0.25	23.7	28.4	ERWG451LGC822MEH0M	
	10,000	89 × 155	0.25	27.4	32.8	ERWG451LGC103MFF5M	
	10,000	89 × 170	0.25	28.6	34.3	ERWG451LGC103MFH0M	
	12,000	89 × 190	0.25	32.9	39.4	ERWG451LGC123MFK0M	

## **◆RATED RIPPLE CURRENT MULTIPLIERS**

# Frequency Multipliers

Frequency (Hz)	50	120	300	1k	3k
Coefficient	0.8	1.0	1.2	1.4	1.5

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 RWG 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.

CAT. No. E1001Q