RWE Series

- Rated voltage range : 350 to 550Vdc
- Endurance with ripple current : 85℃ 2,000 hours
- RoHS Compliant

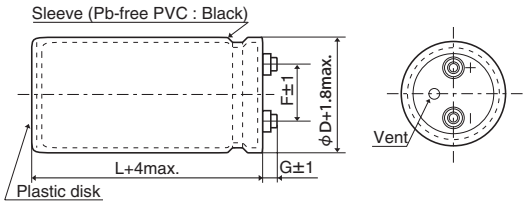
RWF P294
Longer life
RWE

◆SPECIFICATIONS

Items	Characteristics				
Category Temperature Range	-25 to +85℃				
Rated Voltage Range	350 to 550Vdc				
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℃ after 5 minutes)
Dissipation Factor (tan δ)	0.25 max.				(at 20℃, 120Hz)
Low Temperature Characteristics	Capacitance change	Rated Voltage (Vdc)	350 to 450V	500 & 550V	
		C(-25℃)/C(+20℃)	≧0.7	≧0.6	(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 500Vdc, the insulation resistance shall not be less than 100MΩ.				
Insulation Withstanding Voltage	When a voltage of 2,000Vac 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			

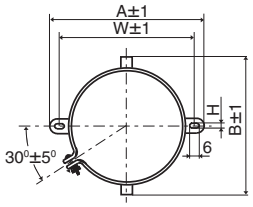
◆DIMENSIONS (Screw-Mount) [mm]

●Terminal Code : LG



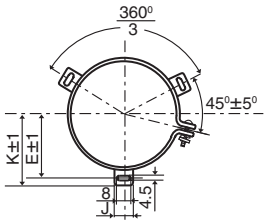
φ35 to φ63.5 : G=6
φ76.2 & φ89 : G=5

●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 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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
E	R	W	E				L	G					M				M

Supplement code
Size code
Capacitance tolerance code
Capacitance code (ex. 680μF:681, 6,800μF:682)
Mounting clamp code (N, B, C)
Terminal code
Voltage code (ex. 350V:351, 500V:501)
Series code
Category

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

Product specifications in this catalog are subject to change without notice.Request our product specifications before purchase and/or use. Please use our products based on the information contained in this catalog and product specifications.

RWE Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 85℃, 120Hz)	Part No.
350	390	35 × 50	0.25	1.90	ERWE351LGB391MA50M
	680	35 × 80	0.25	2.90	ERWE351LGB681MA80M
	1,000	35 × 100	0.25	3.80	ERWE351LGB102MAA0M
	1,200	35 × 120	0.25	4.20	ERWE351LGB122MAC0M
	1,500	50 × 75	0.25	4.70	ERWE351LGC152MC75M
	2,200	50 × 96	0.25	6.30	ERWE351LGC222MC96M
	3,300	50 × 130	0.25	8.80	ERWE351LGC332MCD0M
	3,300	63.5 × 96	0.25	8.80	ERWE351LGC332MD96M
	3,900	63.5 × 115	0.25	10.3	ERWE351LGC392MDB5M
	4,700	63.5 × 130	0.25	12.0	ERWE351LGC472MDD0M
	4,700	76.2 × 96	0.25	11.7	ERWE351LGC472ME96M
	5,600	76.2 × 115	0.25	12.6	ERWE351LGC562MEB5M
	6,800	76.2 × 130	0.25	15.9	ERWE351LGC682MED0M
	8,200	76.2 × 155	0.25	19.0	ERWE351LGC822MEF5M
	12,000	89 × 155	0.25	22.5	ERWE351LGC123MFF5M
400	330	35 × 50	0.25	1.70	ERWE401LGB331MA50M
	560	35 × 80	0.25	2.70	ERWE401LGB561MA80M
	820	35 × 100	0.25	3.40	ERWE401LGB821MAA0M
	1,000	35 × 120	0.25	3.90	ERWE401LGB102MAC0M
	1,200	50 × 75	0.25	4.20	ERWE401LGC122MC75M
	1,800	50 × 96	0.25	5.70	ERWE401LGC182MC96M
	2,200	50 × 130	0.25	7.20	ERWE401LGC222MCD0M
	2,700	63.5 × 96	0.25	7.90	ERWE401LGC272MD96M
	3,300	63.5 × 115	0.25	9.50	ERWE401LGC332MDB5M
	3,900	63.5 × 130	0.25	10.9	ERWE401LGC392MDD0M
	3,900	76.2 × 96	0.25	10.6	ERWE401LGC392ME96M
	4,700	76.2 × 115	0.25	12.6	ERWE401LGC472MEB5M
	5,600	76.2 × 130	0.25	14.5	ERWE401LGC562MED0M
	6,800	76.2 × 155	0.25	17.3	ERWE401LGC682MEF5M
	10,000	89 × 155	0.25	20.5	ERWE401LGC103MFF5M
450	270	35 × 50	0.25	1.60	ERWE451LGB271MA50M
	470	35 × 80	0.25	2.40	ERWE451LGB471MA80M
	680	35 × 100	0.25	3.10	ERWE451LGB681MAA0M
	820	35 × 120	0.25	3.50	ERWE451LGB821MAC0M
	1,000	50 × 75	0.25	3.90	ERWE451LGC102MC75M
	1,200	50 × 96	0.25	4.70	ERWE451LGC122MC96M
	1,500	50 × 115	0.25	5.60	ERWE451LGC152MCB5M
	1,800	50 × 130	0.25	6.50	ERWE451LGC182MCD0M
	2,200	63.5 × 96	0.25	7.20	ERWE451LGC222MD96M

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 85℃, 120Hz)	Part No.
450	2,700	63.5 × 115	0.25	8.60	ERWE451LGC272MDB5M
	3,300	63.5 × 130	0.25	10.0	ERWE451LGC332MDD0M
	3,300	76.2 × 96	0.25	9.80	ERWE451LGC332ME96M
	3,900	76.2 × 115	0.25	11.5	ERWE451LGC392MEB5M
	4,700	76.2 × 130	0.25	13.3	ERWE451LGC472MED0M
	5,600	76.2 × 155	0.25	15.7	ERWE451LGC562MEF5M
	8,200	89 × 155	0.25	18.6	ERWE451LGC822MFF5M
500	120	35 × 50	0.25	0.70	ERWE501LGB121MA50M
	270	35 × 80	0.25	1.20	ERWE501LGB271MA80M
	330	35 × 100	0.25	1.40	ERWE501LGB331MAA0M
	390	35 × 120	0.25	1.70	ERWE501LGB391MAC0M
	470	50 × 75	0.25	1.80	ERWE501LGC471MC75M
	680	50 × 96	0.25	2.50	ERWE501LGC681MC96M
	820	50 × 115	0.25	2.90	ERWE501LGC821MCB5M
	1,000	50 × 130	0.25	3.40	ERWE501LGC102MCD0M
	1,000	63.5 × 96	0.25	3.40	ERWE501LGC102MD96M
	1,500	63.5 × 115	0.25	4.50	ERWE501LGC152MDB5M
	1,500	76.2 × 96	0.25	4.60	ERWE501LGC152ME96M
	1,800	63.5 × 130	0.25	5.20	ERWE501LGC182MDD0M
	2,200	76.2 × 115	0.25	6.10	ERWE501LGC222MEB5M
	2,700	76.2 × 155	0.25	7.70	ERWE501LGC272MEF5M
	3,900	89 × 155	0.25	10.1	ERWE501LGC392MFF5M
550	100	35 × 50	0.25	0.60	ERWE551LGB101MA50M
	180	35 × 80	0.25	1.00	ERWE551LGB181MA80M
	270	35 × 100	0.25	1.30	ERWE551LGB271MAA0M
	330	35 × 120	0.25	1.60	ERWE551LGB331MAC0M
	390	50 × 75	0.25	1.70	ERWE551LGC391MC75M
	560	50 × 96	0.25	2.10	ERWE551LGC561MC96M
	560	63.5 × 96	0.25	2.50	ERWE551LGC561MD96M
	680	50 × 115	0.25	2.70	ERWE551LGC681MCB5M
	680	63.5 × 115	0.25	3.00	ERWE551LGC681MDB5M
	820	50 × 130	0.25	3.10	ERWE551LGC821MCD0M
	820	63.5 × 130	0.25	3.50	ERWE551LGC821MDD0M
	1,200	76.2 × 96	0.25	4.20	ERWE551LGC122ME96M
	1,500	76.2 × 115	0.25	5.00	ERWE551LGC152MEB5M
	1,800	76.2 × 130	0.25	5.80	ERWE551LGC182MED0M
	2,200	76.2 × 155	0.25	7.00	ERWE551LGC222MEF5M
	3,300	89 × 155	0.25	9.30	ERWE551LGC332MFF5M

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

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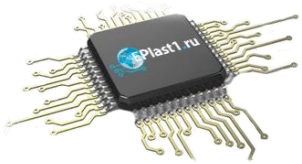
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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