

RX series

High voltage
135°C Guaranteed
(35v~100v)



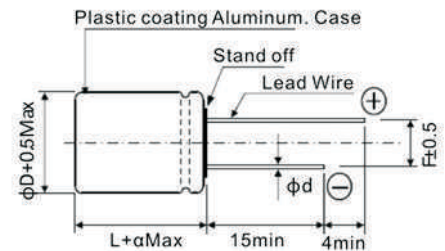
This series has advanced characteristics in resistance to heat compared with the RV series.
Suitable for use in device reliability.
Lead free-flow is supported.

RX系列為耐高溫高壓固態鋁電容器，具有優異的熱穩定性，可承受135°C環境溫度，壽命為1000小時。可滿足無鉛焊條件。

Specifications

Items	Characteristics	
Operating Temp Range	-55°C ~ +135°C	
Capacitance Range	4.7~120μF	
Capacitance Tolerance	M : ±20%	
Rated Voltage Range	35V ~100V DC	
Dissipation Factor At 120Hz,20°C	Not to exceed the value specified	
Leakage Current	≤0.2CV (μA, after 2 minutes)	
ESR(100K~300KHz)	Not to exceed the value specified	
Endurance 135°C 1000h At Rated voltage	Capacitance Change	Within ±20% of the value before test
	Leakage current	Not to exceed the value specified
	ESR	Not to exceed 150% of the value specified
	Dissipation Factor	Not to exceed 150% of the value specified
Moisture Resistance Stored At 60°C, RH90~95%,2000h	Capacitance	Within ±20% of the value before test
	Leakage Current	Not to exceed the value specified
	ESR	Not to exceed 150% of the value specified
	Dissipation Factor	Not to exceed 150% of the value specified

Dimensions



Unit:mm

φD×L	φD +0.5max.	α	F ±0.5	φd ±0.05
6.3×8	6.3	1.0	2.5	0.6
8×8	8.0	1.0	3.5	0.6
8×11.5	8.0	1.0	3.5	0.6
10×12.5	10.0	1.0	5.0	0.6

Size List

RV/v (SV) CAP/μF	35 (41)	50 (57.5)	63 (73)	80 (92)	100 (115)
4.7					8×8
10	6.3×8	6.3×8	6.3×8	6.3×8	8×18 / 8×11.5
15	6.3×8	6.3×8	6.3×8	8×8	10×12.5
22	6.3×8 / 8×8	8×8	8×8	8×11.5 / 10×12.5	10×12.5
33	8×8	8×8	8×8/8×11.5	10×12.5	
39	8×8/8×11.5	8×8/8×11.5	8×11.5/10×12.5	10×12.5	
47	8×8/8×11.5	8×8/8×11.5	10×12.5	10×12.5	
56	8×11.5/10×12.5	8×11.5/10×12.5	10×12.5		
68	8×11.5/10×12.5	10×12.5	10×12.5		
82	10×12.5	10×12.5	10×12.5		
100	10×12.5				
120	10×12.5				

RX series

Characteristics List

W.V. (V)	Capacitance (μ F)	L.C. (μ A,2min)	tg δ (120Hz,20°C)	ESR (m Ω ,100kHz)	Rated Ripple Current		Size Φ D \times L(mm)	Part Number
					100KHz(mA,r.m.s)			
					105°C<T \leq 135°C	T \leq 105°C		
35	10	300	0.12	45	754	2000	6.3 \times 8	RX100M035E080□□
	15	300	0.12	45	754	2000	6.3 \times 8	RX150M035E080□□
	22	300	0.12	45	754	2000	6.3 \times 8	RX220M035E080□□
	22	300	0.12	35	981	2600	8 \times 8	RX220M035F080□□
	33	300	0.12	35	981	2600	8 \times 8	RX330M035F080□□
	39	300	0.12	35	981	2600	8 \times 8	RX390M035F080□□
	39	300	0.12	30	1124	2980	8 \times 11.5	RX390M035F115□□
	47	329	0.12	35	981	2600	8 \times 8	RX470M035F080□□
	47	329	0.12	30	1124	2980	8 \times 11.5	RX470M035F115□□
	56	392	0.12	30	1124	2980	8 \times 11.5	RX560M035F115□□
	56	392	0.12	28	1433	3800	10 \times 12.5	RX560M035G125□□
	68	476	0.12	30	1124	2980	8 \times 11.5	RX680M035F115□□
	68	476	0.12	28	1433	3800	10 \times 12.5	RX680M035G125□□
	82	574	0.12	30	1124	2980	8 \times 11.5	RX820M035F115□□
	82	574	0.12	28	1433	3800	10 \times 12.5	RX820M035G125□□
	100	700	0.12	30	1124	2980	8 \times 11.5	RX101M035F115□□
100	700	0.12	28	1433	3800	10 \times 12.5	RX101M035G125□□	
120	840	0.12	28	1433	3800	10 \times 12.5	RX121M035G125□□	
50	10	300	0.12	45	754	2000	6.3 \times 8	RX100M050E080□□
	15	300	0.12	45	754	2000	6.3 \times 8	RX150M050E080□□
	22	300	0.12	45	981	2600	8 \times 8	RX220M050F080□□
	33	330	0.12	45	981	2600	8 \times 8	RX330M050F080□□
	33	330	0.12	45	1018	2700	8 \times 11.5	RX330M050F115□□
	39	390	0.12	45	1018	2700	8 \times 11.5	RX390M050F115□□
	39	390	0.12	45	1094	2900	10 \times 12.5	RX390M050G125□□
	47	470	0.12	45	1094	2900	10 \times 12.5	RX470M050G125□□
	56	560	0.12	45	1094	2900	10 \times 12.5	RX560M050G125□□
	82	820	0.12	45	1094	2900	10 \times 12.5	RX820M050G125□□
63	10	300	0.12	45	641	1700	6.3 \times 8	RX100M063E080□□
	15	300	0.12	45	716	1900	8 \times 8	RX150M063F080□□
	22	300	0.12	45	1018	2700	8 \times 11.5	RX220M063F115□□
	22	300	0.12	45	1094	2900	10 \times 12.5	RX220M063G125□□
	33	415.8	0.12	45	1094	2900	10 \times 12.5	RX330M063G125□□
	39	491.4	0.12	45	1094	2900	10 \times 12.5	RX390M063G125□□
	47	491.4	0.12	45	1094	2900	10 \times 12.5	RX470M063G125□□
	56	705.6	0.12	45	1094	2900	10 \times 12.5	RX560M063G125□□
	82	1033.2	0.12	45	1094	2900	10 \times 12.5	RX820M063G125□□
80	4.7	300	0.12	45	641	1700	6.3 \times 8	RX47M080E080□□
	10	300	0.12	45	641	1700	6.3 \times 8	RX100M080E080□□
	15	300	0.12	45	716	1900	8 \times 8	RX150M080F080□□
	22	352	0.12	45	1018	2700	8 \times 11.5	RX220M080F115□□
	22	352	0.12	45	1094	2900	10 \times 12.5	RX220M080G125□□
	33	528	0.12	45	1094	2900	10 \times 12.5	RX330M080G125□□
	39	624	0.12	45	1094	2900	10 \times 12.5	RX390M080G125□□
	47	752	0.12	45	1094	2900	10 \times 12.5	RX470M080G125□□
100	4.7	300	0.12	45	641	1700	8 \times 8	RX47M100F080□□
	10	300	0.12	45	641	1700	8 \times 8	RX100M100F080□□
	10	300	0.12	45	716	1900	8 \times 11.5	RX100M100F115□□
	15	300	0.12	45	1018	2700	10 \times 12.5	RX150M100G125□□
	22	440	0.12	45	1094	2900	10 \times 12.5	RX220M100G125□□

Frequency Coefficient for Ripple Current

Frequency	120Hz \leq freq.<1KHz	1KHz \leq freq.<10KHz	10KHz \leq freq.<100KHz	100KHz \leq freq.<300KHz
Coefficient	0.05	0.3	0.7	1