

CAPACITOR



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RMJ-PS
Resonance

POWER LINKS SUCCESS

Resonance / Snubber RMJ-PS series



Application

- LLC topology in resonant circuits.
- Widely used in power electronic devices in series / parallel resonant circuit,
- Switched-mode power supply.
- IGBT Snubber.

Technical data

Climatic Category / Passive Flammability Category	55/105/56		
Operating temperature range	-55°C~ +105°C		
	+85°C to +105°C:Decreasing factor1.25% per °C for UN(DC)		
	+75°C to +105°C:Decreasing factor1.35% per °C for UN(AC)		
Capacitance range	0.00022~8μF		
Rated voltage	250V~2000V		
Capacitance tolerance	±5%(J) ; ±10%(K) ; ±20%(M)		
Dissipation factor	≤1×10 ⁻³ at 1kHz ,20°C		
insulation resistance	V test(VDC) 1min, 20°C	CN≤0.33μF	CN > 0.33μF
	100±15	≥100GΩ	≥30000s
DC test voltage	1.6UN , 5 s		



THE DV/DT TABLE

UNDC(V)	Dv/dt (V/μs)					
	P=10mm	P=15mm	P=22.5mm	P=27.5mm	P=37.5mm	P=52.5mm
250	1000	550	250	200	/	/
400	1500	900	500	300	/	/
630	3200	2500	1500	900	500	300
1000	6000	3300	2100	1000	800	500
1600	/	6000	3000	2000	1200	800
2000	/	10000	5000	2200	1500	1000

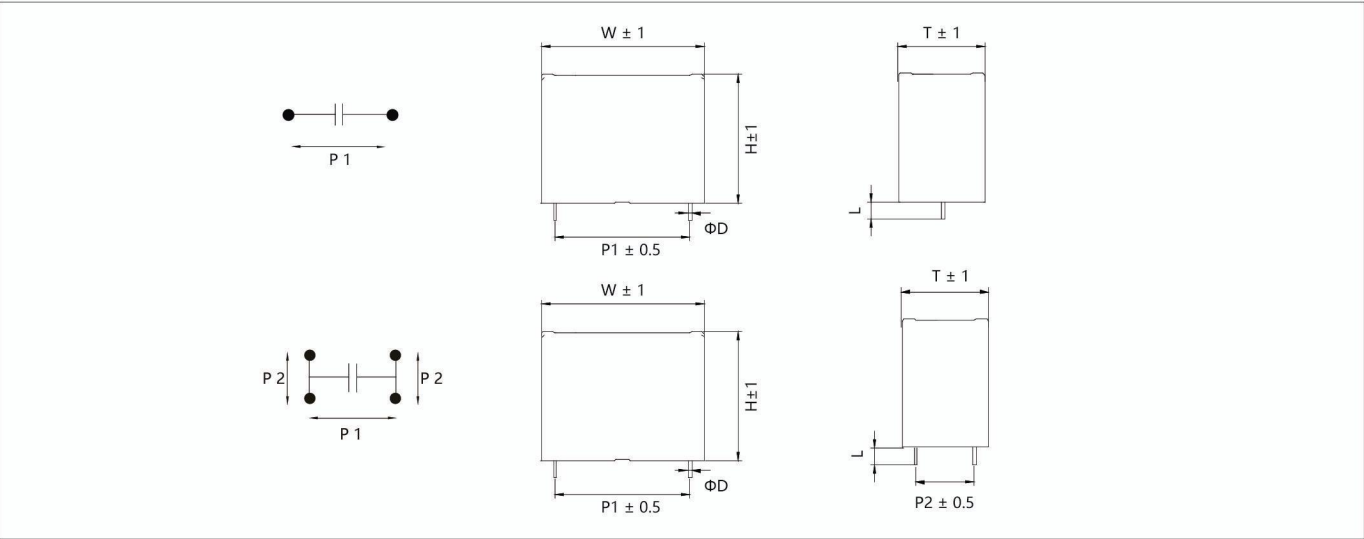
Part number system

Model			Capacitance			U _N (DC)				Cap. tol	Number of leads	P1	P2	Length of leads	Internal feature code	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
R	P	S	1	0	5	0	6	3	0	J	4	P1	P2	L	0	1
1	~	3	digits:	Model												
4	~	6	digits:	Nominal Capacity												
e.g. 105=10 × 10 ⁵ pF = 1μF																
7	~	10	digits:	U _N (DC)												
e.g. 0630=630VDC																
11			digits:	Capacitance Tolerance												
J=±5% K=±10% M=±20%																
12			digits:	Number of leads												
2: 2 pins																
4: 4 pins																
13			digits:	Distance between mounting holes P1												
2 : P1=10 6 : P1=37.5																
3 : P1=15 7 : P1=52.5																
4 : P1=22.5 8 : others																
5 : P1=27.5																
14			digits:	Distance between mounting holes P2												
0 : 0 2 : P2=20.3																
1: P2=10.2 3 : others																
15			digits:	Length of leads												
1 : L=4																
2 : L=15																
16	~	17	digits:	Internal feature code												



Resonance / Snubber RMJ-PS series

Specification table



Specification table

C _N (μF)	尺寸/Dimension (mm)						Part number
	W (mm)	T (mm)	H (mm)	φD	P1	P2	
250VDC(180Vac)							
0.027	13	4	9	0.6	10	/	RPS2730250*220***
0.033	13	4	9	0.6	10	/	RPS3330250*220***
0.039	13	4	9	0.6	10	/	RPS3930250*220***
0.047	13	5	11	0.6	10	/	RPS4730250*220***
0.056	13	5	11	0.6	10	/	RPS5630250*220***
0.068	13	6	12	0.6	10	/	RPS6830250*220***
0.082	13	6	12	0.6	10	/	RPS8230250*220***
0.068	17.5	5	11	0.8	15	/	RPS6830250*230***
0.082	17.5	5	11	0.8	15	/	RPS8230250*230***
0.10	17.5	5	11	0.8	15	/	RPS1040250*230***
0.12	17.5	6	12	0.8	15	/	RPS1240250*230***
0.15	17.5	6	12	0.8	15	/	RPS1540250*230***
0.18	17.5	7.5	13.5	0.8	15	/	RPS1840250*230***
0.22	17.5	7.5	13.5	0.8	15	/	RPS2240250*230***
0.27	17.5	8.5	14.5	0.8	15	/	RPS270250*230***
0.33	17.5	10	16	0.8	15	/	RPS3340250*230***

C _N (μF)	尺寸/Dimension (mm)						Part number
	W (mm)	T (mm)	H (mm)	φD	P1	P2	
250VDC(180Vac)							
0.39	17.5	10	16	0.8	15	/	RPS3940250*230***
0.22	26.5	6	15	0.8	22.5	/	RPS2240250*240***
0.27	26.5	6	15	0.8	22.5	/	RPS2740250*240***
0.33	26.5	6	15	0.8	22.5	/	RPS3340250*240***
0.39	26.5	7	16	0.8	22.5	/	RPS3940250*240***
0.47	26.5	7	16	0.8	22.5	/	RPS4740250*240***
0.56	26.5	8.5	17	0.8	22.5	/	RPS5640250*240***
0.68	26.5	10	18.5	0.8	22.5	/	RPS6840250*240***
0.82	26.5	10	18.5	0.8	22.5	/	RPS8240250*240***
1.0	26.5	12	22	0.8	22.5	/	RPS1050250*240***
0.82	32	9	18	0.8	27.5	/	RPS8240250*250***
1.0	32	11	20	0.8	27.5	/	RPS1050250*250***
1.2	32	11	20	0.8	27.5	/	RPS1250250*250***
1.5	32	13	22	0.8	27.5	/	RPS1550250*250***
1.8	32	15	24.5	0.8	27.5	/	RPS1850250*250***
2.2	32	15	24.5	0.8	27.5	/	RPS2250250*250***



Specification table

C _N (μF)	尺寸/Dimension (mm)						Part number
	W (mm)	T (mm)	H (mm)	φD	P1	P2	
250VDC(180Vac)							
2.7	32	18	33	0.8	27.5	/	RPS2750250*250***
3.3	32	18	33	0.8	27.5	/	RPS3350250*250***
3.9	32	18	33	0.8	27.5	/	RPS3950250*250***
400VDC(250Vac)							
0.010	13	4	9	0.6	10	/	RPS1030400*220***
0.012	13	4	9	0.6	10	/	RPS1230400*220***
0.015	13	4	9	0.6	10	/	RPS1530400*220***
0.018	13	4	9	0.6	10	/	RPS1830400*220***
0.022	13	4	9	0.6	10	/	RPS2230400*220***
0.027	13	5	11	0.6	10	/	RPS2730400*220***
0.033	13	5	11	0.6	10	/	RPS3330400*220***
0.039	13	6	12	0.6	10	/	RPS3930400*220***
0.047	13	6	12	0.6	10	/	RPS4730400*220***
0.033	17.5	5	11	0.8	15	/	RPS3330400*230***
0.039	17.5	5	11	0.8	15	/	RPS3930400*230***
0.047	17.5	5	11	0.8	15	/	RPS4730400*230***
0.056	17.5	5	11	0.8	15	/	RPS5630400*230***
0.068	17.5	6	12	0.8	15	/	RPS6830400*230***
0.082	17.5	6	12	0.8	15	/	RPS8230400*230***
0.10	17.5	7.5	13.5	0.8	15	/	RPS1040400*230***
0.12	17.5	7.5	13.5	0.8	15	/	RPS1240400*230***
0.15	17.5	8.5	14.5	0.8	15	/	RPS1540400*230***
0.18	17.5	10	16	0.8	15	/	RPS1840400*230***
0.22	17.5	10	16	0.8	15	/	RPS2240400*230***
0.27	17.5	11	19	0.8	15	/	RPS2740400*230***
0.12	26.5	6	15	0.8	22.5	/	RPS1240400*240***
0.15	26.5	6	15	0.8	22.5	/	RPS1540400*240***
0.18	26.5	6	15	0.8	22.5	/	RPS1840400*240***
0.22	26.5	7	16	0.8	22.5	/	RPS2240400*240***

C _N (μF)	尺寸/Dimension (mm)						Part number
	W (mm)	T (mm)	H (mm)	φD	P1	P2	
400VDC(250Vac)							
0.27	26.5	8.5	17	0.8	22.5	/	RPS2740400*240***
0.33	26.5	8.5	17	0.8	22.5	/	RPS3340400*240***
0.39	26.5	10	18.5	0.8	22.5	/	RPS3940400*240***
0.47	26.5	10	18.5	0.8	22.5	/	RPS4740400*240***
0.56	26.5	12	22	0.8	22.5	/	RPS5640400*240***
0.68	26.5	12	22	0.8	22.5	/	RPS6840400*240***
0.39	32	9	18	0.8	27.5	/	RPS3940400*250***
0.47	32	9	18	0.8	27.5	/	RPS4740400*250***
0.56	32	11	20	0.8	27.5	/	RPS5640400*250***
0.68	32	11	20	0.8	27.5	/	RPS6840400*250***
0.82	32	13	22	0.8	27.5	/	RPS8240400*250***
1.0	32	15	24.5	0.8	27.5	/	RPS1050400*250***
1.2	32	15	24.5	0.8	27.5	/	RPS1250400*250***
1.5	32	18	33	0.8	27.5	/	RPS1550400*250***
1.8	32	18	33	0.8	27.5	/	RPS1850400*250***
630VDC(400Vac)							
0.0039	13	4	9	0.6	10	/	RPS3920630*220***
0.0047	13	4	9	0.6	10	/	RPS4720630*220***
0.0056	13	4	9	0.6	10	/	RPS5620630*220***
0.0068	13	4	9	0.6	10	/	RPS6820630*220***
0.0082	13	4	9	0.6	10	/	RPS8220630*220***
0.010	13	5	11	0.6	10	/	RPS1030630*220***
0.012	13	5	11	0.6	10	/	RPS1230630*220***
0.015	13	6	12	0.6	10	/	RPS1530630*220***
0.018	13	6	12	0.6	10	/	RPS1830630*220***
0.010	17.5	5	11	0.8	15	/	RPS1030630*230***
0.012	17.5	5	11	0.8	15	/	RPS1230630*230***
0.015	17.5	5	11	0.8	15	/	RPS1530630*230***
0.018	17.5	5	11	0.8	15	/	RPS1830630*230***



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Specification table

C _N (μF)	尺寸/Dimension (mm)						Part number
	W (mm)	T (mm)	H (mm)	φD	P1	P2	
630VDC(400Vac)							
0.022	17.5	5	11	0.8	15	/	RPS2230630*230***
0.027	17.5	5	11	0.8	15	/	RPS2730630*230***
0.033	17.5	6	12	0.8	15	/	RPS3330630*230***
0.039	17.5	6	12	0.8	15	/	RPS3930630*230***
0.047	17.5	6	12	0.8	15	/	RPS4730630*230***
0.056	17.5	7.5	13.5	0.8	15	/	RPS5630630*230***
0.068	17.5	8.5	14.5	0.8	15	/	RPS6830630*230***
0.082	17.5	8.5	14.5	0.8	15	/	RPS8230630*230***
0.10	17.5	10	16	0.8	15	/	RPS1040630*230***
0.12	17.5	11	19	0.8	15	/	RPS1240630*230***
0.047	26.5	6	15	0.8	22.5	/	RPS4730630*240***
0.056	26.5	6	15	0.8	22.5	/	RPS5630630*240***
0.068	26.5	6	15	0.8	22.5	/	RPS6830630*240***
0.082	26.5	6	15	0.8	22.5	/	RPS8230630*240***
0.10	26.5	6	15	0.8	22.5	/	RPS1040630*240***
0.12	26.5	7	16	0.8	22.5	/	RPS1240630*240***
0.15	26.5	8.5	17	0.8	22.5	/	RPS1540630*240***
0.18	26.5	8.5	17	0.8	22.5	/	RPS1840630*240***
0.22	26.5	10	18.5	0.8	22.5	/	RPS2240630*240***
0.27	26.5	12	22	0.8	22.5	/	RPS2740630*240***
0.33	26.5	12	22	0.8	22.5	/	RPS3340630*240***
0.39	26.5	12	22	0.8	22.5	/	RPS3940630*240***
0.15	32	9	18	0.8	27.5	/	RPS1540630*250***
0.18	32	9	18	0.8	27.5	/	RPS1840630*250***
0.22	32	9	18	0.8	27.5	/	RPS2240630*250***
0.27	32	9	18	0.8	27.5	/	RPS2740630*250***
0.33	32	11	20	0.8	27.5	/	RPS3340630*250***
0.39	32	11	20	0.8	27.5	/	RPS3940630*250***
0.47	32	13	22	0.8	27.5	/	RPS4740630*250***

C _N (μF)	尺寸/Dimension (mm)						Part number
	W (mm)	T (mm)	H (mm)	φD	P1	P2	
630VDC(400Vac)							
0.56	32	13	22	0.8	27.5	/	RPS5640630*250***
0.68	32	15	24.5	0.8	27.5	/	RPS6840630*250***
0.82	32	14	28	0.8	27.5	/	RPS8240630*250***
1.0	32	18	33	0.8	27.5	/	RPS1050630*250***
1.2	32	18	33	0.8	27.5	/	RPS1250630*250***
0.47	42.5	14	28	1.0	37.5	/	RPS4740630*260***
1	42.5	24.5	27.5	1.0	37.5	20.3	RPS1050630*462***
1.5	42.5	33.5	35.5	1.0	37.5	20.3	RPS1550630*462***
2	42.5	33	35.5	1.2	37.5	20.3	RPS2050630*462***
2.5	42.5	33	45	1.0	37.5	10.2	RPS2550630*461***
3	42.5	33	45	1.0	37.5	10.2	RPS3050630*461***
3	57.5	30	45	1.2	52.5	20.3	RPS3050630*472***
3.5	42.5	33	45	1.2	52.5	10.2	RPS3550630*471***
3.5	57.5	30	45	1.2	52.5	20.3	RPS3550630*472***
4.7	57.5	35	50	1.0	52.5	10.2	RPS4750630*471***
5.6	57.5	38	54	1.0	52.5	10.2	RPS5650630*471***
6	57.5	38	54	1.2	52.5	10.2	RPS6050630*471***
6.8	57.5	42.5	56	1.2	52.5	10.2	RPS6850630*471***
8	57.5	42.5	56	1.2	52.5	10.2	RPS8050630*471***
1000VDC(600Vac)							
0.0010	13	4	9	0.6	10	/	RPS1021000*220***
0.0012	13	4	9	0.6	10	/	RPS1221000*220***
0.0015	13	4	9	0.6	10	/	RPS1521000*220***
0.0018	13	4	9	0.6	10	/	RPS1821000*220***
0.0022	13	4	9	0.6	10	/	RPS2221000*220***
0.0027	13	4	9	0.6	10	/	RPS2721000*220***
0.0033	13	4	9	0.6	10	/	RPS3321000*220***
0.0039	13	5	11	0.6	10	/	RPS3921000*220***
0.0047	13	5	11	0.6	10	/	RPS4721000*220***

Specification table

C _N (μF)	尺寸/Dimension (mm)						Part number
	W (mm)	T (mm)	H (mm)	φD	P1	P2	
1000VDC(600Vac)							
0.0056	13	6	12	0.6	10	/	RPS5621000*220***
0.0068	13	6	12	0.6	10	/	RPS6821000*220***
0.0082	17.5	5	11	0.8	15	/	RPS8221000*230***
0.010	17.5	5	11	0.8	15	/	RPS1031000*230***
0.012	17.5	5	11	0.8	15	/	RPS1231000*230***
0.015	17.5	5	11	0.8	15	/	RPS1531000*230***
0.018	17.5	7.5	13.5	0.8	15	/	RPS1831000*230***
0.022	17.5	7.5	13.5	0.8	15	/	RPS2231000*230***
0.027	17.5	8.5	14.5	0.8	15	/	RPS2731000*230***
0.033	17.5	8.5	14.5	0.8	15	/	RPS3331000*230***
0.039	17.5	10	16	0.8	15	/	RPS3931000*230***
0.047	17.5	11	19	0.8	15	/	RPS4731000*230***
0.027	26.5	6	15	0.8	22.5	/	RPS2731000*240***
0.033	26.5	6	15	0.8	22.5	/	RPS3331000*240***
0.039	26.5	6	15	0.8	22.5	/	RPS3931000*240***
0.047	26.5	7	16	0.8	22.5	/	RPS4731000*240***
0.056	26.5	7	16	0.8	22.5	/	RPS5631000*240***
0.068	26.5	8.5	17	0.8	22.5	/	RPS6831000*240***
0.082	26.5	10	18.5	0.8	22.5	/	RPS8231000*240***
0.10	26.5	10	18.5	0.8	22.5	/	RPS1041000*240***
0.12	26.5	12	22	0.8	22.5	/	RPS1241000*240***
0.15	26.5	12	22	0.8	22.5	/	RPS1541000*240***
0.10	32	9	18	0.8	27.5	/	RPS1041000*250***
0.12	32	11	20	0.8	27.5	/	RPS1241000*250***
0.15	32	11	20	0.8	27.5	/	RPS1541000*250***
0.18	32	13	22	0.8	27.5	/	RPS1841000*250***
0.22	32	13	22	0.8	27.5	/	RPS2241000*250***
0.27	32	15	24.5	0.8	27.5	/	RPS2741000*250***
0.33	32	14	28	0.8	27.5	/	RPS3341000*250***

C _N (μF)	尺寸/Dimension (mm)						Part number
	W (mm)	T (mm)	H (mm)	φD	P1	P2	
1000VDC(600Vac)							
0.39	32	18	33	0.8	27.5	/	RPS3941000*250***
0.47	32	18	33	0.8	27.5	/	RPS4741000*250***
0.22	42.5	14	28	1.0	37.5	/	RPS2241000*260***
0.47	42.5	24.5	27.5	1.2	37.5	/	RPS4741000*260***
0.68	42.5	24.5	27.5	1.0	37.5	20.3	RPS6841000*462***
1	42.5	33.5	35.5	1.2	37.5	20.3	RPS1051000*462***
1.5	42.5	33	45	1.0	37.5	10.2	RPS1551000*461***
2	42.5	33	45	1.0	37.5	10.2	RPS2051000*461***
2.5	57.5	30	45	1.2	52.5	20.3	RPS2551000*472***
3	57.5	35	50	1.2	52.5	20.3	RPS3051000*472***
3.3	57.5	35	50	1.0	52.5	10.2	RPS3351000*471***
3.5	57.5	38	54	1.0	52.5	10.2	RPS3551000*471***
4	57.5	38	54	1.2	52.5	10.2	RPS4051000*471***
4.7	57.5	42.5	56	1.2	52.5	10.2	RPS4751000*471***
5.6	57.5	42.5	56	1.2	52.5	10.2	RPS5651000*471***
1600VDC(650Vac)							
0.0010	17.5	5	11	0.8	15	/	RPS1021600*230***
0.0012	17.5	5	11	0.8	15	/	RPS1221600*230***
0.0015	17.5	5	11	0.8	15	/	RPS1521600*230***
0.0018	17.5	5	11	0.8	15	/	RPS1821600*230***
0.0022	17.5	5	11	0.8	15	/	RPS2221600*230***
0.0027	17.5	5	11	0.8	15	/	RPS2721600*230***
0.0033	17.5	5	11	0.8	15	/	RPS3321600*230***
0.0039	17.5	5	11	0.8	15	/	RPS3921600*230***
0.0047	17.5	5	11	0.8	15	/	RPS4721600*230***
0.0056	17.5	5	11	0.8	15	/	RPS5621600*230***
0.0068	17.5	5	11	0.8	15	/	RPS6821600*230***
0.0082	17.5	6	12	0.8	15	/	RPS8221600*230***
0.010	17.5	6	12	0.8	15	/	RPS1031600*230***



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Specification table

C _N (μF)	尺寸/Dimension (mm)						Part number
	W (mm)	T (mm)	H (mm)	φD	P1	P2	
1600VDC(650Vac)							
0.012	17.5	7.5	13.5	0.8	15	/	RPS1231600*230***
0.015	17.5	7.5	13.5	0.8	15	/	RPS1531600*230***
0.018	17.5	8.5	14.5	0.8	15	/	RPS1831600*230***
0.022	17.5	8.5	14.5	0.8	15	/	RPS2231600*230***
0.027	17.5	10	16	0.8	15	/	RPS2731600*230***
0.033	17.5	11	19	0.8	15	/	RPS3331600*230***
0.015	26.5	6	15	0.8	22.5	/	RPS1531600*240***
0.018	26.5	6	15	0.8	22.5	/	RPS1831600*240***
0.022	26.5	6	15	0.8	22.5	/	RPS2231600*240***
0.027	26.5	6	15	0.8	22.5	/	RPS2731600*240***
0.033	26.5	7	16	0.8	22.5	/	RPS3331600*240***
0.039	26.5	8.5	17	0.8	22.5	/	RPS3931600*240***
0.047	26.5	10	18.5	0.8	22.5	/	RPS4731600*240***
0.056	26.5	10	18.5	0.8	22.5	/	RPS5631600*240***
0.068	26.5	12	22	0.8	22.5	/	RPS6831600*240***
0.082	26.5	12	22	0.8	22.5	/	RPS8231600*240***
0.039	32	9	18	0.8	27.5	/	RPS3931600*250***
0.047	32	9	18	0.8	27.5	/	RPS4731600*250***
0.056	32	9	18	0.8	27.5	/	RPS5631600*250***
0.068	32	9	18	0.8	27.5	/	RPS6831600*250***
0.082	32	11	202	0.8	27.5	/	RPS8231600*250***
0.10	32	11	20	0.8	27.5	/	RPS1041600*250***
0.12	32	13	22	0.8	27.5	/	RPS1241600*250***
0.15	32	15	24.5	0.8	27.5	/	RPS1541600*250***
0.18	32	15	24.5	0.8	27.5	/	RPS1841600*250***
0.22	32	18	33	0.8	27.5	/	RPS2241600*250***
0.27	32	18	33	0.8	27.5	/	RPS2741600*250***
0.33	32	18	33	0.8	27.5	/	RPS3341600*250***
0.22	42.5	14	28	1.2	37.5	/	RPS2241600*260***

C _N (μF)	尺寸/Dimension (mm)						Part number
	W (mm)	T (mm)	H (mm)	φD	P1	P2	
1600VDC(650Vac)							
0.33	42.5	24.5	27.5	1.2	37.5	/	RPS3341600*260***
0.47	42.5	24.5	27.5	1.2	37.5	/	RPS4741600*260***
0.68	42.5	35.5	35.5	1	37.5	20.3	RPS6841600*462***
1	42.5	33	45	1.2	37.5	20.3	RPS1051600*462***
1.5	42.5	33	45	1	37.5	10.2	RPS1551600*461***
1.5	57.5	30	45	1.2	52.5	20.3	RPS1551600*472***
2	57.5	30	45	1.2	52.5	20.3	RPS2051600*472***
2.5	57.5	35	50	1	52.5	10.2	RPS2551600*471***
3	57.5	38	54	1.2	52.5	10.2	RPS3051600*471***
3.3	57.5	38	54	1.2	52.5	10.2	RPS3351600*471***
3.5	57.5	42.5	56	1.2	52.5	10.2	RPS3551600*471***
4	57.5	42.5	56	1.2	52.5	10.2	RPS4051600*471***
2000VDC(700Vac)							
0.0010	17.5	5	11	0.8	15	/	RPS1022000*230***
0.0012	17.5	5	11	0.8	15	/	RPS1222000*230***
0.0015	17.5	5	11	0.8	15	/	RPS1522000*230***
0.0018	17.5	5	11	0.8	15	/	RPS1822000*230***
0.0022	17.5	5	11	0.8	15	/	RPS2222000*230***
0.0027	17.5	5	11	0.8	15	/	RPS2722000*230***
0.0033	17.5	6	12	0.8	15	/	RPS3322000*230***
0.0039	17.5	6	12	0.8	15	/	RPS3922000*230***
0.0047	17.5	6	12	0.8	15	/	RPS4722000*230***
0.0056	17.5	7.5	13.5	0.8	15	/	RPS5622000*230***
0.0068	17.5	7.5	13.5	0.8	15	/	RPS6822000*230***
0.0082	17.5	8.5	14.5	0.8	15	/	RPS8222000*230***
0.010	17.5	10	16	0.8	15	/	RPS1032000*230***
0.012	17.5	10	16	0.8	15	/	RPS1232000*230***
0.015	17.5	11	19	0.8	15	/	RPS1532000*230***

Specification table

C _N (μF)	尺寸/Dimension (mm)						Part number
	W (mm)	T (mm)	H (mm)	φD	P1	P2	
2000VDC(700Vac)							
0.0010	26.5	6	15	0.8	22.5	/	RPS1022000*240***
0.0012	26.5	6	15	0.8	22.5	/	RPS1222000*240***
0.0015	26.5	6	15	0.8	22.5	/	RPS1522000*240***
0.0018	26.5	6	15	0.8	22.5	/	RPS1822000*240***
0.0022	26.5	6	15	0.8	22.5	/	RPS2222000*240***
0.0027	26.5	6	15	0.8	22.5	/	RPS2722000*240***
0.0033	26.5	6	15	0.8	22.5	/	RPS3322000*240***
0.0039	26.5	6	15	0.8	22.5	/	RPS3922000*240***
0.0047	26.5	6	15	0.8	22.5	/	RPS4722000*240***
0.0056	26.5	6	15	0.8	22.5	/	RPS5622000*240***
0.0068	26.5	6	15	0.8	22.5	/	RPS6822000*240***
0.0082	26.5	6	15	0.8	22.5	/	RPS8222000*240***
0.010	26.5	6	15	0.8	22.5	/	RPS1032000*240***
0.012	26.5	6	15	0.8	22.5	/	RPS1232000*240***
0.015	26.5	7	16	0.8	22.5	/	RPS1532000*240***
0.018	26.5	7	16	0.8	22.5	/	RPS1832000*240***
0.022	26.5	8.5	17	0.8	22.5	/	RPS2232000*240***
0.027	26.5	10	18.5	0.8	22.5	/	RPS2732000*240***
0.033	26.5	10	18.5	0.8	22.5	/	RPS3332000*240***
0.039	26.5	12	22	0.8	22.5	/	RPS3932000*240***
0.047	26.5	12	22	0.8	22.5	/	RPS4732000*240***
0.022	32	9	18	0.8	27.5	/	RPS2232000*250***
0.027	32	9	18	0.8	27.5	/	RPS2732000*250***
0.033	32	9	18	0.8	27.5	/	RPS3332000*250***
0.039	32	11	20	0.8	27.5	/	RPS3932000*250***
0.047	32	11	20	0.8	27.5	/	RPS4732000*250***
0.056	32	13	22	0.8	27.5	/	RPS5632000*250***
0.068	32	13	22	0.8	27.5	/	RPS6832000*250***
0.082	32	15	24.5	0.8	27.5	/	RPS8232000*250***

C _N (μF)	尺寸/Dimension (mm)						Part number
	W (mm)	T (mm)	H (mm)	φD	P1	P2	
2000VDC(700Vac)							
0.10	32	14	28	0.8	27.5	/	RPS1042000*250***
0.12	32	18	33	0.8	27.5	/	RPS1242000*250***
0.15	32	18	33	0.8	27.5	/	RPS1542000*250***
0.22	42.5	24.5	27.5	1.2	37.5	/	RPS2242000*260***
0.33	42.5	33.5	35.5	1	37.5	20.3	RPS3342000*462***
0.47	42.5	33.5	35.5	1	37.5	20.3	RPS4742000*462***
0.68	42.5	33	45	1	37.5	10.2	RPS6842000*461***
0.68	57.5	30	45	1.2	52.5	20.3	RPS6842000*472***
0.82	42.5	33	45	1	37.5	10.2	RPS6842000*461***
1	57.5	30	45	1.2	52.5	20.3	RPS1052000*472***
1.5	57.5	35	50	1	52.5	10.2	RPS1552000*471***
2	57.5	38	54	1.2	52.5	10.2	RPS2052000*471***
2.2	57.5	42.5	56	1.2	52.5	10.2	RPS2252000*471***



CAPACITOR



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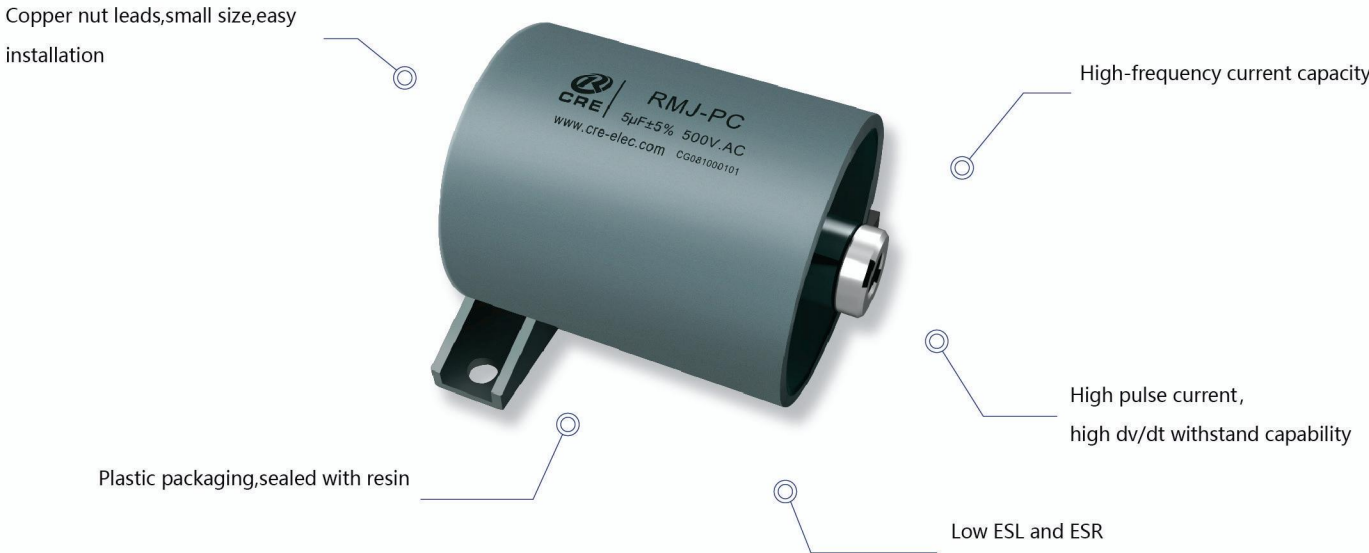
Web:www.cre-elec.com

RMJ-PC
Resonance

POWER LINKS SUCCESS

RMJ-PC series

High voltage resonance film capacitor



Application

- Widely used in power electronic devices in series/parallel resonant circuit.
- Welding, power supplies, induction heating equipment resonance occasions.

Technical data

Operating temperature range	Max. Operating temperature, Top, max : +105°C
	Upper category temperature: + 85°C
	Lower category temperature : - 40°C
(C _N) / Capacitance range	1μF~8μF
(U _N) / Rated voltage	1200V.DC - 2000V.DC
Cap.tol	±5%(J) ; ±10%(K)
Withstand voltage	1.5U _N /60s
Dissipation factor	tgδ≤0.001 f=1kHz
Insulation resistance	Rs×C≥5000s (at20°C 100V.DC 60s)
Withstand strike current	See the specification sheet

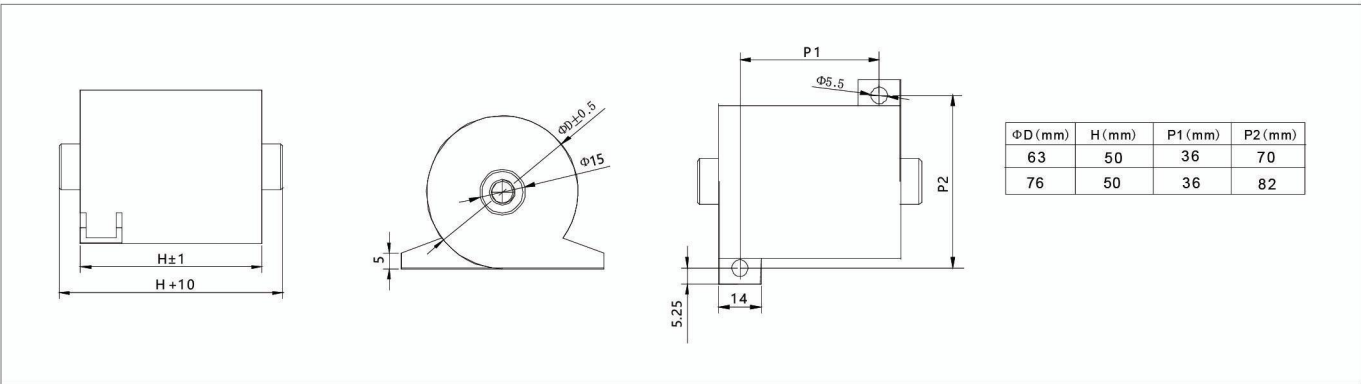


01

Technical data

Irms	See the specification sheet
Life expectancy	100000h (U _N ; θ _{hotspot} ≤85°C)
Reference standard	IEC61071

The contour map



Part number system

Model			Capacitance			U _N (DC)				Cap. tol	Dimension	Lead	Internal feature code	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
R	P	C	4	0	5	1	2	0	0	J	1	A	0	1
1	~	3	digits: Model											
4	~	6	digits: Nominal Capacity											
			e.g. 405=40×10 ⁵ pF=4μF											
7	~	10	digits: U _N (DC)											
			e.g. 1200=1200V.DC											
			11	digits: Capacitance Tolerance										
			±5% (J) ±10% (K)											
			12	digits: Dimension										
			1: 63×50											
			2: 76×50											
			13	digits: Lead										
			A: M6×10Screw nut											
			B: M8×10Screw nut											
14	~	15	digits: Internal feature code											

02



RMJ-PC series

High voltage resonance film capacitor

Specification table

C _N (μF)	φD (mm)	H (mm)	ESL (nH)	dv/dt (V/μS)	I _p (kA)	I _{rms} @100kHz 40°C (A)	ESR @100kHz (mΩ)	Part number
U _N 1200V.DC U _{rms} 500V.AC								
2	63	52	20	500	1.0	30	3.2	RPC2051200*1***
3	63	50	22	500	1.5	35	3	RPC3051200*1***
4	63	50	22	400	1.6	45	2.8	RPC4051200*1***
5	63	50	23	400	2.0	50	2.5	RPC5051200*1***
6	76	50	25	350	2.1	60	2	RPC6051200*2***
7	76	50	25	300	2.1	65	1.5	RPC7051200*2***
U _N 1600V.DC U _{rms} 600V.AC								
2	63	50	20	700	1.4	30	3.2	RPC2051600*1***
3	63	50	22	600	1.8	35	3	RPC3051600*1***
4	63	50	22	550	2.2	45	2.8	RPC4051600*1***
5	76	50	23	500	2.5	55	2.3	RPC5051600*2***
6	76	50	25	450	2.7	65	2.2	RPC6051600*2***
U _N 2000V.DC U _{rms} 700V.AC								
2	63	50	20	800	1.6	50	3	RPC2052000*1***
3	63	50	22	700	2.1	55	2.8	RPC3052000*1***
4	76	50	22	600	2.4	65	2.5	RPC4052000*2***

