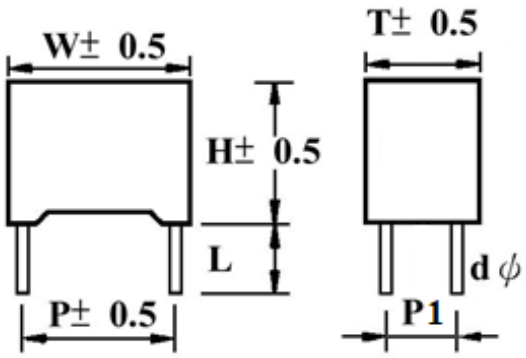
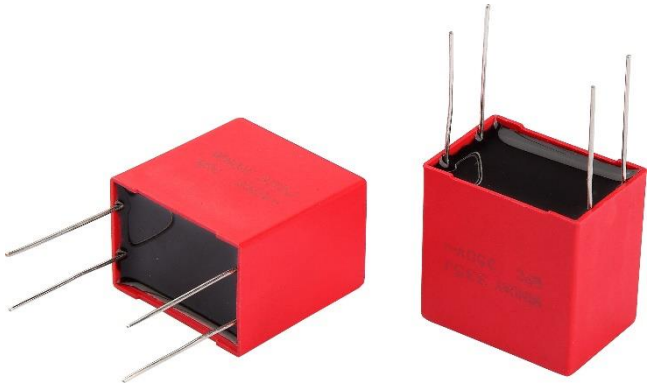
Metallized Polypropylene Film Capacitor (Boxed)

DC-Link For PCB 金屬化聚丙烯膜電容器 (盒裝型) SMC4 series

■ 外觀圖 Outline Drawing





■ 主要用途:

高性能直流濾波應用場合

(變頻器, 工業和高端電源, 太陽能逆變器, 充電樁)

■ Typical Applications

High performance DC filter applications

(Inverter, industrial and high-end power supply, solar inverters, charging piles, etc.)

■ 特點:

金屬化聚丙烯膜結構

良好的電氣性能

塑料外殼封裝 (UL94-0), 樹脂填充

高性能直流濾波應用場合

■ Features

Metalized polypropylene film membrane structure

Good electrical performance

Plastic shell package (UL94v-0), resin filling

High performance DC filter applications

■ 技術要求 Specifications

引用標準 Reference Standard	GB/T 17702 (IEC 61071)	
氣候類別 Climatic Category	40/105/56	
工作溫度範圍 Operating Temperature Range	-40℃~105℃ +85℃ to 105℃ : Decreasing factor 1.35% per ℃ for U_N 85℃	
電容量範圍 Capacitance Range	1μF ~ 110μF	
額定電壓 Rated (DC) Voltage	500V , 600V , 800V , 900V , 1000V , 1100V , 1200Vdc	
電容偏差 Capacitance Tolerance	±5%(J)、±10%(K)	
承受電壓 Voltage Proof	1.5UR (10s)	
自感 Self Inductance (LS)	< 1nH per mm of lead spacing	
絕緣電阻 Insulation Resistance	UR ≤ 100V	≧1000s (20℃, 1min)
最大峰值電流 Maximum peak current (A)	↑ = C. dv/dt	
	100,000hrs @ U_N, θ_{HS} =70℃	

■ 外型尺寸表 Dimensions (mm)

U_N , 85℃ : 500/600Vdc

容量 μF	W	H	T	P	P1	d	dV/dt (V/us)	tgδ * (10^{-4})		ESR @ 10KHz (mΩ)	Imax (A)
								1KHz	10KHz		
2.0	32	18	9	27.5	-	0.8	65	11	100	47.8	2.8
3.0	32	20	11	27.5	-	0.8	65	11	100	31.8	4.1
4.0	32	20	11	27.5	-	0.8	65	11	100	23.9	5.5
5.0	32	22	13	27.5	-	0.8	65	11	100	19.1	6.9
6.0	32	24.5	15	27.5	-	0.8	65	11	100	18.6	7.1
7.0	32	24.5	15	27.5	-	0.8	65	11	100	15.9	8.3
8.0	32	28	14	27.5	-	0.8	65	11	100	13.9	9.5
9.0	32	30	16	27.5	-	0.8	65	11	100	12.4	10.7
10	32	30	16	27.5	-	1.0	65	11	100	11.1	11.8
12	32	33	18	27.5	-	1.0	65	11	100	10.8	12.0
15	32	37	22	27.5	-	1.0	65	11	100	9.0	12.0
15	32	37	22	27.5	10.2	1.0	65	11	100	7.4	17.8
18	32	37	22	27.5	-	1.0	65	11	100	8.0	12.0
18	32	37	22	27.5	12.7	1.0	65	11	100	6.2	21.3
10	41	30	16	37.5	-	1.0	30	20	175	19.5	6.2
12	41	30	16	37.5	-	1.0	30	20	175	16.3	7.4
15	41	33.5	18.5	37.5	-	1.0	30	20	175	13.0	9.2
20	42	40	20	37.5	10.2	1.0	30	20	175	9.8	12.3
22	42	40	20	37.5	10.2	1.0	30	20	175	8.9	13.5
25	42	40	20	37.5	10.2	1.0	30	20	175	7.8	15.4
30	42	44	24	37.5	12.7	1.0	30	20	175	6.5	18.5
35	42	45	30	37.5	12.7	1.2	30	20	175	6.0	20.1
35	42	45	30	37.5	20.3	1.2	30	20	175	6.0	20.1
40	42	45	30	37.5	12.7	1.2	30	20	175	5.2	23.0
40	42	45	30	37.5	20.3	1.2	30	20	175	5.2	23.0
45	42	50	35	37.5	12.7	1.2	30	20	175	4.6	25.8
45	42	50	35	37.5	20.3	1.2	30	20	175	4.6	25.8
50	42	50	35	37.5	20.3	1.2	30	20	175	4.2	27.8
55	42	50	35	37.5	20.3	1.2	30	20	175	3.8	31.6
60	42	55	40	37.5	20.3	1.2	30	20	175	3.5	34.5

■ 外型尺寸表 Dimensions (mm)

U_N , 85℃ : 500/600Vdc

容量 μF	W	H	T	P	P1	d	dV/dt (V/us)	tgδ * (10^{-4})		ESR @ 10KHz (mΩ)	Imax (A)
								1KHz	10KHz		
65	42	55	40	37.5	20.3	1.2	30	20	175	3.2	65.0
70	42	55	40	37.5	20.3	1.2	30	20	175	3.0	35.0
75	42	60	45	37.5	20.3	1.2	30	20	175	2.8	35.0
80	42	60	45	37.5	20.3	1.2	30	20	175	2.6	35.0
85	42	60	45	37.5	20.3	1.2	30	20	175	2.5	35.0
40	57	45	25	52.5	12.7	1.2	15	36	350	9.8	12.3
45	57	45	25	52.5	12.7	1.2	15	36	350	8.7	13.8
50	57	45	25	52.5	12.7	1.2	15	36	350	7.8	15.4
55	57	43.5	29.5	52.5	12.7	1.2	15	36	350	7.1	16.9
55	57	43.5	29.5	52.5	20.3	1.2	15	36	350	7.1	16.9
60	57	43.5	29.5	52.5	12.7	1.2	15	36	350	6.5	18.5
60	57	43.5	29.5	52.5	20.3	1.2	15	36	350	6.5	18.5
65	57	50	35	52.5	12.7	1.2	15	36	350	6.0	20.0
65	57	50	35	52.5	20.3	1.2	15	36	350	6.0	20.0
70	57	50	35	52.5	20.3	1.2	15	36	350	5.6	21.5
75	57	50	35	52.5	20.3	1.2	15	36	350	5.2	23.1
80	57	50	35	52.5	20.3	1.2	15	36	350	4.9	24.6
85	57	55	45	52.5	20.3	1.2	15	36	350	4.8	25.1
90	57	55	45	52.5	20.3	1.2	15	36	350	4.6	25.8
95	57	55	45	52.5	20.3	1.2	15	36	350	4.4	27.3
100	57	55	45	52.5	20.3	1.2	15	36	350	4.2	28.7
110	57	55	45	52.5	20.3	1.2	15	36	350	3.8	31.6

■ 外型尺寸表 Dimensions (mm)

U_N , 85℃ : 800Vdc

容量 μF	W	H	T	P	P1	d	dV/dt (V/us)	tgδ * (10^{-4})		ESR @ 10KHz (mΩ)	Imax (A)
								1KHz	10KHz		
2.0	32	18	9	27.5	-	0.8	65	10	95	45.4	2.9
3.0	32	20	11	27.5	-	0.8	65	10	95	30.0	4.4
3.3	32	30	16	27.5	-	0.8	65	10	95	18.8	7.0
4.0	32	25	13	27.5	-	0.8	65	10	95	22.7	5.8
5.0	32	24.5	15	27.5	-	0.8	65	10	95	18.2	7.3
6.0	32	30	16	27.5	-	0.8	65	10	95	15.1	8.7
7.0	32	30	16	27.5	-	0.8	65	10	95	13.0	10.2
8.0	32	33	18	27.5	-	0.8	65	10	95	12.5	10.5
9.0	32	33	18	27.5	-	0.8	65	10	95	11.1	11.8
10	32	37	22	27.5	-	0.8	65	10	95	11.0	12.0
10	32	37	22	27.5	10.2	0.8	65	10	95	9.0	14.5
11	32	37	22	27.5	-	0.8	65	10	95	10.0	12.0
11	32	37	22	27.5	10.2	0.8	65	10	95	8.3	16.0
12	32	37	22	27.5	-	0.8	65	10	95	9.3	12.0
12	32	37	22	27.5	10.2	0.8	65	10	95	7.0	16.0
13	32	37	22	27.5	-	0.8	65	10	95	8.6	12.0
13	32	37	22	27.5	12.7	0.8	65	10	95	8.1	16.2
14	32	37	22	27.5	-	0.8	65	10	95	8.2	12.0
14	32	37	22	27.5	12.7	0.8	65	10	95	7.6	17.5
8.0	41	30	16	37.5	-	1.0	32	18	160	22.3	5.4
9.0	41	30	16	37.5	-	1.0	30	30	160	19.8	6.1
10	41	33.5	18.5	37.5	-	1.0	30	18	160	17.8	6.7
12	41	33.5	18.5	37.5	-	1.0	30	18	160	14.9	8.1
15	42	40	20	37.5	10.2	1.0	30	18	160	11.9	10.1
20	42	44	24	37.5	12.7	1.0	30	18	160	8.9	13.5
25	42	44	24	37.5	12.7	1.0	30	18	160	7.1	16.8
30	42	45	30	37.5	12.7	1.2	30	18	160	5.9	20.2
30	42	45	30	37.5	20.3	1.2	30	18	160	5.9	20.2
35	42	50	35	37.5	20.3	1.2	30	18	160	5.5	22.0
40	42	50	35	37.5	20.3	1.2	30	18	160	4.8	25.1

■ 外型尺寸表 Dimensions (mm)

U_N , 85℃ : 800Vdc

容量 μF	W	H	T	P	P1	d	dV/dt (V/us)	tgδ * (10^{-4})		ESR @ 10KHz (mΩ)	Imax (A)
								1KHz	10KHz		
45	42	55	40	37.5	20.3	1.2	30	18	160	4.8	23.3
50	42	55	40	37.5	20.3	1.2	30	18	160	3.8	31.4
55	42	60	45	37.5	20.3	1.2	30	18	160	3.5	34.5
60	42	60	45	37.5	20.3	1.2	30	18	160	3.2	35.0
85	42	60	45	37.5	20.3	1.2	30	18	160	2.9	35.0
25	57	45	25	52.5	12.7	1.2	15	33	320	14.3	8.4
30	57	45	25	52.5	12.7	1.2	15	33	320	11.9	10.1
35	57	45	25	52.5	12.7	1.2	15	33	320	10.2	11.8
40	57	43.5	29.5	52.5	12.7	1.2	15	33	320	8.9	13.5
40	57	43.5	29.5	52.5	20.3	1.2	15	33	320	8.9	13.5
45	57	43.5	29.5	52.5	12.7	1.2	15	33	320	7.9	15.1
45	57	43.5	29.5	52.5	20.3	1.2	15	33	320	7.9	15.1
50	57	50	35	52.5	12.7	1.2	15	33	320	7.1	16.8
50	57	50	35	52.5	20.3	1.2	15	33	320	7.1	16.8
55	57	50	35	52.5	20.3	1.2	15	33	320	6.5	18.5
60	57	55	35	52.5	20.3	1.2	15	33	320	5.9	20.2
65	57	55	45	52.5	20.3	1.2	15	33	320	5.5	21.9
70	57	55	45	52.5	20.3	1.2	15	33	320	5.1	23.6
75	57	55	45	52.5	20.3	1.2	15	33	320	4.8	25.2
80	57	55	45	52.5	20.3	1.2	15	33	320	4.6	25.9
85	57	55	45	52.5	20.3	1.2	15	33	320	4.5	26.7
90	57	55	45	52.5	20.3	1.2	15	33	320	4.2	28.3
95	57	65	45	52.5	20.3	1.2	15	33	320	4.0	29.8
100	57	65	45	52.5	20.3	1.2	15	33	320	3.8	31.4

■ 外型尺寸表 Dimensions (mm)

U_N , 85℃ : 900Vdc

容量 μF	W	H	T	P	P1	d	dV/dt (V/us)	tgδ * (10^{-4})		ESR @ 10KHz (mΩ)	Imax (A)
								1KHz	10KHz		
1.0	32	18	9	27.5	-	0.8	70	9	90	86	1.5
2.0	32	20	11	27.5	-	0.8	70	9	90	43	3.1
3.0	32	22	13	27.5	-	0.8	70	9	90	28.7	4.6
4.0	32	24.5	15	27.5	-	0.8	70	9	90	21.5	6.1
5.0	32	30	16	27.5	-	0.8	70	9	90	17	7.7
6.0	32	33	18	27.5	-	0.8	70	9	90	18	6.9
7.0	32	33	18	27.5	-	0.8	70	9	90	13	10.2
8.0	32	37	22	27.5	-	0.8	70	9	90	11.5	11.4
8.0	32	37	22	27.5	10.2	0.8	70	9	90	10.7	12.3
9.0	32	37	22	27.5	-	0.8	70	9	90	10.4	12.0
9.0	32	37	22	27.5	12.7	0.8	70	9	90	9.6	13.8
10	32	37	22	27.5	-	0.8	70	9	90	12	12.2
10	32	37	22	27.5	12.7	0.8	70	9	90	8.6	15.4
4.7	41	26	15	37.5	-	1.0	35	17	150	35.6	3.4
5.0	41	30	16	37.5	-	1.0	35	17	150	33.4	3.6
6.0	41	30	16	37.5	-	1.0	35	17	150	27.9	4.3
7.0	41	30	16	37.5	-	1.0	35	17	150	23.9	5.0
8.0	41	33	18	37.5	-	1.0	35	17	150	20.9	5.7
10	42	40	20	37.5	10.2	1.0	35	17	150	16.7	7.2
12	41	37	22	37.5	10.2	1.0	35	17	150	13.9	8.6
15	42	44	24	37.5	12.7	1.0	35	17	150	11.1	10.8
18	42	44	24	37.5	12.7	1.0	35	17	150	9.3	12.9
20	42	44	24	37.5	12.7	1.0	35	17	150	8.4	14.4
25	42	45	30	37.5	12.7	1.2	35	17	150	6.7	17.9
25	42	45	30	37.5	20.3	1.2	35	17	150	6.7	17.9
30	42	50	35	37.5	20.3	1.2	35	17	150	5.6	21.5
35	42	55	40	37.5	20.3	1.2	35	17	150	5.1	23.4
40	42	55	40	37.5	20.3	1.2	35	17	150	4.5	26.8

■ 外型尺寸表 Dimensions (mm)

U_N , 85℃ : 900Vdc											
容量 μF	W	H	T	P	P1	d	dV/dt (V/us)	tgδ * (10^{-4})		ESR @ 10KHz (mΩ)	Imax (A)
								1KHz	10KHz		
45	57	50	35	52.5	20.3	1.2	15	31	300	7.4	16.1
50	57	50	35	52.5	20.3	1.2	15	31	300	6.7	17.9
55	57	55	45	52.5	20.3	1.2	15	31	300	6.1	19.7
60	57	55	45	52.5	20.3	1.2	15	31	300	5.6	21.5
65	57	55	45	52.5	20.3	1.2	15	31	300	5.1	23.3
70	57	65	45	52.5	20.3	1.2	15	31	300	4.8	25.1
75	57	65	45	52.5	20.3	1.2	15	31	300	4.7	25.7
80	57	65	45	52.5	20.3	1.2	15	31	300	4.5	26.8
85	57	65	45	52.5	20.3	1.2	15	31	300	4.2	28.5

■ 外型尺寸表 Dimensions (mm)

U_N , 85℃ : 1000Vdc

容量 μF	W	H	T	P	P1	d	dV/dt (V/us)	tgδ * (10^{-4})		ESR @ 10KHz (mΩ)	Imax (A)
								1KHz	10KHz		
1.0	32	18	9	27.5	-	0.8	75	8	80	76.4	1.7
2.0	32	22	13	27.5	-	0.8	75	8	80	38.2	3.5
3.0	32	24.5	15	27.5	-	0.8	75	8	80	25.5	5.2
4.0	32	30	16	27.5	-	0.8	75	8	80	19.1	6.9
5.0	32	33	18	27.5	-	0.8	75	8	80	15.3	8.6
6.0	32	33	18	27.5	-	0.8	75	8	80	14.9	8.9
7.0	32	37	22	27.5	-	0.8	75	8	80	14.5	9.4
7.0	32	37	22	27.5	12.7	0.8	75	8	80	11.4	11.6
8.0	32	37	22	27.5	-	0.8	75	8	80	13.0	10.8
8.0	32	37	22	27.5	12.7	1.0	75	8	80	10.0	13.3
5.0	41	30	16	37.5	-	1.0	37	15	140	31.2	33.8
6.0	41	30	16	37.5	-	1.0	37	15	140	26.0	4.6
7.0	41	33	18	37.5	-	1.0	37	15	140	22.3	5.4
8.0	41	33	18	37.5	-	1.0	37	15	140	19.5	6.2
10	42	40	20	37.5	-	1.0	37	15	140	15.6	6.7
12	42	40	20	37.5	10.2	1.0	37	15	140	15.6	7.7
12	41	37	22	37.5	12.7	1.0	37	15	140	13.0	9.2
12	41	37	22	37.5	-	1.0	37	15	140	15.0	8.0
15	42	44	24	37.5	12.7	1.2	37	15	140	10.4	11.5
18	42	45	30	37.5	12.7	1.2	37	15	140	8.7	13.8
18	42	45	30	37.5	20.3	1.2	37	15	140	8.7	13.8
20	42	45	30	37.5	12.7	1.2	37	15	140	7.8	15.4
20	42	45	30	37.5	20.3	1.2	37	15	140	7.8	15.4
25	42	50	35	37.5	20.3	1.2	37	15	140	6.2	19.2

■ 外型尺寸表 Dimensions (mm)

U_N , 85℃ : 1000Vdc											
容量 μF	W	H	T	P	P1	d	dV/dt (V/us)	tgδ * (10^{-4})		ESR @ 10KHz (mΩ)	Imax (A)
								1KHz	10KHz		
30	42	55	40	37.5	20.3	1.2	37	15	140	5.2	23.1
30	57	45	30	52.5	12.7	1.2	17	28	280	10.4	11.5
30	57	45	30	52.5	20.3	1.2	17	28	280	10.4	11.5
35	57	50	35	52.5	20.3	1.2	17	28	280	8.9	13.5
40	57	50	35	52.5	20.3	1.2	17	28	280	7.8	15.4
45	57	55	45	52.5	20.3	1.2	17	28	280	6.9	17.3
50	57	55	45	52.5	20.3	1.2	17	28	280	6.2	19.2
55	57	55	45	52.5	20.3	1.2	17	28	280	5.7	21.1
60	57	65	45	52.5	20.3	1.2	17	28	280	5.2	23.1
65	57	65	45	52.5	20.3	1.2	17	28	280	4.8	25.0
70	57	65	45	52.5	20.3	1.2	17	28	280	4.5	26.9

■ 外型尺寸表 Dimensions (mm)

U_N , 85℃ : 1100Vdc

容量 μF	W	H	T	P	P1	d	dV/dt (V/us)	tgδ * (10^{-4})		ESR @ 10KHz (mΩ)	Imax (A)
								1KHz	10KHz		
0.68	32	20	11	27.5	-	0.8	80	8	70	80.0	1.7
1.0	32	20	11	27.5	-	0.8	80	8	70	59.4	2.2
1.5	32	22	13	27.5	-	0.8	80	8	70	55.7	2.4
2.0	32	25	13	27.5	-	0.8	80	8	70	27.9	4.7
3.0	32	30	16	27.5	-	0.8	80	8	70	20.4	6.5
4.0	32	33	18	27.5	-	0.8	80	8	70	15.3	8.6
5.0	32	37	22	27.5	-	0.8	80	8	70	14.0	9.8
5.0	32	37	22	27.5	10.2	0.8	80	8	70	12.3	10.8
6.0	32	37	22	27.5	-	0.8	80	8	70	12.3	10.8
6.0	32	37	22	27.5	10.2	0.8	80	8	70	10.2	12.9
3.0	41	30	16	37.5	-	1.0	40	15	130	48.3	2.5
4.0	41	30	16	37.5	-	1.0	40	15	130	36.2	3.3
4.7	41	33.5	18.5	37.5	-	1.0	40	15	130	30.8	3.9
5.0	41	33.5	18.5	37.5	-	1.0	40	15	130	29.0	4.1
6.0	41	33.5	18.5	37.5	-	1.0	40	15	130	24.2	5.0
7.0	42	40	20	37.5	10.2	1.0	40	15	130	20.7	5.8
8.0	41	37	22	37.5	10.2	1.0	40	15	130	18.1	6.6
9.0	41	37	22	37.5	12.7	1.0	40	15	130	16.1	7.5
10	42	44	24	37.5	12.7	1.0	40	15	130	14.5	8.3
12	42	44	24	37.5	12.7	1.0	40	15	130	12.1	9.9
12	42	44	24	37.5	-	1.0	40	15	130	14.0	8.6
15	42	45	30	37.5	12.7	1.2	40	15	130	9.7	12.4
15	42	45	30	37.5	20.3	1.2	40	15	130	9.7	12.4
18	42	50	35	37.5	20.3	1.2	40	15	130	8.1	14.9
20	42	50	35	37.5	20.3	1.2	40	15	130	7.2	16.6

■ 外型尺寸表 Dimensions (mm)

U_N , 85℃ : 1100Vdc											
容量 μF	W	H	T	P	P1	d	dV/dt (V/us)	tgδ * (10^{-4})		ESR @ 10KHz (mΩ)	Imax (A)
								1KHz	10KHz		
25	42	55	40	37.5	20.3	1.2	40	15	130	5.8	20.7
30	42	60	45	37.5	20.3	1.2	40	15	130	4.8	24.8
15	57	45	25	52.5	12.7	1.2	20	27	260	19.3	6.2
20	57	43.5	29.5	52.5	12.7	1.2	20	27	260	14.5	8.3
20	57	43.5	29.5	52.5	20.3	1.2	20	27	260	14.5	8.3
25	57	50	35	52.5	20.3	1.2	20	27	260	11.6	10.4
30	57	50	35	52.5	20.3	1.2	20	27	260	9.7	12.4
35	57	55	45	52.5	20.3	1.2	20	27	260	8.4	14.3
40	57	55	45	52.5	20.3	1.2	20	27	260	7.8	15.5
45	57	55	45	52.5	20.3	1.2	20	27	260	6.9	17.4
50	57	65	45	52.5	20.3	1.2	20	27	260	6.2	19.3
55	57	65	45	52.5	20.3	1.2	20	27	260	5.6	21.3

■ 外型尺寸表 Dimensions (mm)

U_N , 85℃ : 1200Vdc

容量 μF	W	H	T	P	P1	d	dV/dt (V/us)	tgδ * (10^{-4})		ESR @ 10KHz (mΩ)	Imax (A)
								1KHz	10KHz		
1.0	32	20	11	27.5	-	0.8	90	7	55	39.5	4.5
2.0	32	24.5	15	27.5	-	0.8	90	7	55	26.3	5.0
3.0	32	30	16	27.5	-	0.8	90	7	55	17.5	7.5
4.0	32	33	18	27.5	-	0.8	90	7	55	13.9	9.5
5.0	32	27	22	27.5	-	0.8	90	7	55	12.7	10.4
5.0	32	37	22	27.5	10.2	0.8	90	7	55	11.1	11.8
3.0	41	30	16	37.5	-	1.0	45	13	100	37.2	3.2
4.0	41	30	16	37.5	-	1.0	45	13	100	27.9	4.3
5.0	41	33.5	18.5	37.5	-	1.0	45	13	100	22.3	5.4
6.0	42	40	20	37.5	-	1.0	45	13	100	18.6	6.5
7.0	41	37	22	37.5	10.2	1.0	45	13	100	15.9	7.5
8.0	42	44	24	37.5	12.7	1.0	45	13	100	13.9	8.6
9.0	42	44	24	37.5	12.7	1.0	45	13	100	12.4	9.7
10	42	44	24	37.5	12.7	1.0	45	13	100	11.1	10.8
12	42	45	30	37.5	12.7	1.2	45	13	100	9.3	12.9
12	42	45	30	37.5	20.3	1.2	45	13	100	9.3	12.9
15	42	50	35	37.5	20.3	1.2	45	13	100	7.4	16.1
18	42	50	35	37.5	20.3	1.2	45	13	100	6.6	18.1
20	42	55	40	37.5	20.3	1.2	45	13	100	6.0	20.1
25	42	60	45	37.5	20.3	1.2	45	13	100	4.8	25.1

■ 外型尺寸表 Dimensions (mm)

U_N , 85℃ : 1200Vdc											
容量 μF	W	H	T	P	P1	d	dV/dt (V/us)	tgδ * (10^{-4})		ESR @ 10KHz (mΩ)	Imax (A)
								1KHz	10KHz		
12	57	45	25	52.5	12.7	1.2	23	24	200	19.9	6.0
15	57	45	25	52.5	12.7	1.2	23	24	200	15.9	7.5
20	57	43.5	29.5	52.5	12.7	1.2	23	24	200	11.9	10.0
20	57	43.5	29.5	52.5	20.3	1.2	23	24	200	11.9	10.0
20	57	45	30	52.5	12.7	1.2	23	24	200	11.9	10.0
20	57	45	30	52.5	20.3	1.2	23	24	200	11.9	10.0
25	57	50	35	52.5	20.3	1.2	23	24	200	9.6	12.6
30	57	55	45	52.5	20.3	1.2	23	24	200	8.0	15.1
35	57	55	45	52.5	20.3	1.2	23	24	200	6.8	17.6
40	57	65	45	52.5	20.3	1.2	23	24	200	6.0	20.1
45	57	65	45	52.5	20.3	1.2	23	24	200	5.3	22.6