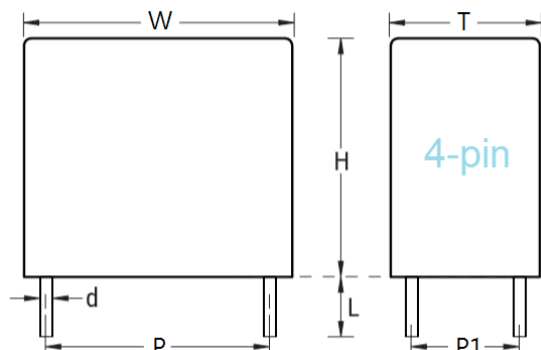


■ 外形圖 Outline Drawing (For Example)



■ 典型應用 Typical Applications

高性能直流濾波器的應用，

逆變器、工業和高端電源、太陽能逆變器、充電樁等

High performance DC filter applications

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

■ 特徵 Features

金屬化聚丙烯膜結構

採用矩形塑料盒型設計

塑料外殼封裝 (UL94V-0) · 環氧樹脂密封

使用 2 或 4 根鍍錫引線

Metalized polypropylene film membrane structure with a rectangular, plastic box-type design,

Plastic shell package (UL94v-0), Epoxy resin sealing and uses 2 or 4 tinned wires.

■ 規格 Specifications

參考標準 Reference Standard	GB/T 17702 (IEC 61071)			
氣候類別 Climatic Category	40/85/56			
最大允許外殼溫度 (T_{case})	-40°C~105°C			
Maximum permissible case temperature (T_{case})	+85°C to 105°C: Decreasing factor 1.35% per °C for U_N 85°C			
應用 Application	DC filtering, DC link			
容值範圍 Capacitance Range	1.0μF ~ 140μF			
額定電壓 Rated Voltage (U_{NDC})	450V/500Vdc	600Vdc	800Vdc	900Vdc
	1000Vdc	1100Vdc	1200Vdc	--
容值公差 Capacitance Tolerance	±5%(J)、±10%(K)			
引線 Leads	Tinned wires - standard lead wire length 6 (+1/-2) mm			
包裝 Packaging	Packed in cardboard trays with protection for the terminals			

■ 電氣特性 Electrical Characteristics

端子間耐受電壓 Withstanding voltage (V _{TT})		1.5 x U _{NDC} for 10 s, cut off current 10 mA		
絕緣電阻 Insulation Resistance (IR x C _N)		≥ 10 000 s (25°C, 100Vdc, 60 seconds)		
浪湧電壓 Surge Voltage		1.5 * V _{NDC} for maximum 10 times in lifetime at T = 25°C ±5°C		
過電壓 Over voltage	1.1 x U _N	有負荷時間的 30%	一天內最長持續時間 Maximum duration within one day	30% of on-load duration
	1.15 x U _N	30 分鐘		30 minutes
	1.2 x U _N	5 分鐘		5 minutes
	1.3 x U _N	1 分鐘		1 minutes
自感 Self Inductance (L _S)		< 1nH per mm of lead spacing)		
最大峰值電流 Maximum peak current ↑ (A)		↑ = C x dV/dt		

■ 產品代碼構成 Product code system (For Example)

SMCD	E	505	J	0500	D	2	28	06
型號 Type	內部使用 Internal use	容值 Capacitance	公差 Tolerance	額定電壓 Rated Voltage	交直流 AC/DC	引線類型 Lead form	引線間距 Lead Pitch	引線長度 Lead Length
SMCD= DC Link Capacitor (Boxed)	--	505 =5,000nF =5 μ F	J=±5% K=±10%	0500=500V 0600=600V 0800=800V 0900=900V 1000=1000V 1200=1200V	D=DC	2=2 pins 4=4 pins P1=10.2mm 5=4 pins P1=12.7mm 6=4 pins P1=20.3mm	28=27.5mm 38=37.5mm 53=52.5mm	06=6.0mm 08=8.0mm

■ 標示 Mark (For Example)

Marking



1. Manufacturer's name: WINDAY	2. SMCD: Type Construction
3. Capacitance: 5 μ F	4. Capacitors Tolerance: ±5%
5. Rated Voltage: 500VDC	6. Climatic Category: 40/85/56
7. Self-Healing in nature such as SH	8. Date Code : 2210, Year = 2022, Weeks = 10

Metallized Polypropylene Film Capacitor (For DC Link)

■ 尺寸 Dimensions (mm)

U _N , 85°C : 450V/500Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/us	1kHz	10kHz	mΩ		
5.0	32	22	11	27.5	-	0.8	65	10	100	8.5	5	SMCD_505+0500D22806
10	32	24.5	15	27.5	-	0.8	65	10	100	7.5	6.5	SMCD_106+0500D22806
22	32	37	22	27.5	-	0.8	65	10	100	5	10	SMCD_226+0500D22806
30	42	40	20	37.5	10.2	1.0	30	15	150	8	12.5	SMCD_306+0500D43806
35	42	36	24	37.5	10.2	1.0	30	15	150	8	13.5	SMCD_356+0500D43806
40	41.5	37.5	27.5	37.5	10.2	1.0	30	15	150	5	14.5	SMCD_406+0500D43806
50	41	43	28	37.5	12.7	1.2	30	15	150	4	16	SMCD_506+0500D53806
50	42	45	30	37.5	20.3	1.2	30	15	150	4	16	SMCD_506+0500D63806
60	42	45	30	37.5	20.3	1.2	30	15	150	3	16.5	SMCD_606+0500D63806
75	57	43.5	29.5	52.5	12.7	1.2	15	35	350	5.5	16	SMCD_756+0500D55306
75	57	43.5	29.5	52.5	20.3	1.2	15	35	350	5.5	16	SMCD_756+0500D65306
80	57	43.5	29.5	52.5	20.3	1.2	15	35	350	5	16.5	SMCD_806+0500D65306
100	57	50	35	52.5	20.3	1.2	15	35	350	4	18	SMCD_107+0500D65306
110	57	50	35	52.5	20.3	1.2	15	35	350	4	19	SMCD_117+0500D65306

U _N , 85°C : 600Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/us	1kHz	10kHz	mΩ		
2.0	32	18	9	27.5	-	0.8	65	11	100	47.8	2.8	SMCD_205+0600D22806
3.0	32	20	11	27.5	-	0.8	65	11	100	31.8	4.1	SMCD_305+0600D22806
4.0	32	20	11	27.5	-	0.8	65	11	100	23.9	5.5	SMCD_405+0600D22806
5.0	32	22	13	27.5	-	0.8	65	11	100	19.1	6.9	SMCD_505+0600D22806
6.0	32	24.5	15	27.5	-	0.8	65	11	100	18.6	7.1	SMCD_605+0600D22806
7.0	32	24.5	15	27.5	-	0.8	65	11	100	15.9	8.3	SMCD_705+0600D22806
8.0	32	28	14	27.5	-	0.8	65	11	100	13.9	9.5	SMCD_805+0600D22806
9.0	32	30	16	27.5	-	0.8	65	11	100	12.4	10.7	SMCD_905+0600D22806
10	32	30	16	27.5	-	0.8	65	11	100	11.1	11	SMCD_106+0600D22806
12	32	33	18	27.5	-	0.8	65	11	100	10.8	12	SMCD_126+0600D22806

Metallized Polypropylene Film Capacitor (For DC Link)

■ 尺寸 Dimensions (mm)

UN, 85°C : 600Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/μs	1kHz	10kHz	mΩ	A	
15	32	37	22	27.5	-	0.8	65	11	100	9	12	SMCD_156+0600D22806
15	32	37	22	27.5	10.2	0.8	65	11	100	7.4	16.5	SMCD_156+0600D42806
18	32	37	22	27.5	-	0.8	65	11	100	8	12	SMCD_186+0600D22806
18	32	37	22	27.5	12.7	0.8	65	11	100	6.2	17	SMCD_186+0600D52806
10	41	30	16	37.5	-	1.0	30	20	175	19.5	6.2	SMCD_106+0600D23806
12	41	30	16	37.5	-	1.0	30	20	175	16.3	7.4	SMCD_126+0600D23806
15	41	33.5	18.5	37.5	-	1.0	30	20	175	13	9.2	SMCD_156+0600D23806
20	42	40	20	37.5	10.2	1.0	30	20	175	9.8	12.3	SMCD_206+0600D43806
22	42	40	20	37.5	10.2	1.0	30	20	175	8.9	13.5	SMCD_226+0600D43806
25	42	40	20	37.5	10.2	1.0	30	20	175	7.8	15.4	SMCD_256+0600D43806
30	42	44	24	37.5	12.7	1.0	30	20	175	6.5	18.5	SMCD_306+0600D53806
35	42	45	30	37.5	12.7	1.2	30	20	175	6	20.1	SMCD_356+0600D53806
35	42	45	30	37.5	20.3	1.2	30	20	175	6	20.1	SMCD_356+0600D63806
40	42	45	30	37.5	12.7	1.2	30	20	175	5.2	23	SMCD_406+0600D53806
40	42	45	30	37.5	20.3	1.2	30	20	175	5.2	23	SMCD_406+0600D63806
45	42	50	35	37.5	12.7	1.2	30	20	175	4.6	25.8	SMCD_456+0600D53806
45	42	50	35	37.5	20.3	1.2	30	20	175	4.6	25.8	SMCD_456+0600D63806
50	42	50	35	37.5	20.3	1.2	30	20	175	4.2	28.7	SMCD_506+0600D63806
55	42	50	35	37.5	20.3	1.2	30	20	175	3.8	31.6	SMCD_556+0600D63806
60	42	55	40	37.5	20.3	1.2	30	20	175	3.5	34.5	SMCD_606+0600D63806
65	42	55	40	37.5	20.3	1.2	30	20	175	3.2	35	SMCD_656+0600D63806
70	42	55	40	37.5	20.3	1.2	30	20	175	3.0	35	SMCD_706+0600D63806
75	42	60	45	37.5	20.3	1.2	30	20	175	2.8	35	SMCD_756+0600D63806
80	42	60	45	37.5	20.3	1.2	30	20	175	2.6	35	SMCD_806+0600D63806
85	42	60	45	37.5	20.3	1.2	30	20	175	2.5	35	SMCD_856+0600D63806

(1) Equivalent series resistance typical values at f = 10 kHz

(2) Maximum RMS current at 10 kHz, $\theta_{amb}=70^{\circ}\text{C}$ (cooling-air temperature), $\Delta\theta_{case}=15^{\circ}\text{C}$ (container temperature rise)

(3) The symbol + means capacitance tolerance (J=±5%, K=±10%)

Metallized Polypropylene Film Capacitor (For DC Link)

■ 尺寸 Dimensions (mm)

U _N , 85°C : 600Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/μs	1kHz	10kHz	mΩ	A	
40	57	45	25	52.5	12.7	1.2	15	36	350	9.8	12.3	SMCD_406+0600D55306
45	57	45	25	52.5	12.7	1.2	15	36	350	8.7	13.8	SMCD_456+0600D55306
50	57	45	25	52.5	12.7	1.2	15	36	350	7.8	15.4	SMCD_506+0600D55306
55	57	43.5	29.5	52.5	12.7	1.2	15	36	350	7.1	16.9	SMCD_556+0600D55306
55	57	43.5	29.5	52.5	20.3	1.2	15	36	350	7.1	16.9	SMCD_556+0600D65306
60	57	43.5	29.5	52.5	12.7	1.2	15	36	350	6.5	18.5	SMCD_606+0600D55306
60	57	43.5	29.5	52.5	20.3	1.2	15	36	350	6.5	18.5	SMCD_606+0600D65306
65	57	50	35	52.5	12.7	1.2	15	36	350	6.0	20	SMCD_656+0600D55306
65	57	50	35	52.5	20.3	1.2	15	36	350	6.0	20	SMCD_656+0600D65306
70	57	50	35	52.5	20.3	1.2	15	36	350	5.6	21.5	SMCD_706+0600D65306
75	57	50	35	52.5	20.3	1.2	15	36	350	5.2	23.1	SMCD_756+0600D65306
80	57	50	35	52.5	20.3	1.2	15	36	350	4.9	24.6	SMCD_806+0600D65306
85	57	55	45	52.5	20.3	1.2	15	36	350	4.8	25.1	SMCD_856+0600D65306
90	57	55	45	52.5	20.3	1.2	15	36	350	4.6	25.8	SMCD_906+0600D65306
95	57	55	45	52.5	20.3	1.2	15	36	350	4.4	27.3	SMCD_956+0600D65306
100	57	55	45	52.5	20.3	1.2	15	36	350	4.2	28.7	SMCD_107+0600D65306
110	57	55	45	52.5	20.3	1.2	15	36	350	3.8	31.6	SMCD_117+0600D65306
120	57	65	45	52.5	20.3	1.2	15	36	350	3.5	34.5	SMCD_127+0600D65306
130	57	65	45	52.5	20.3	1.2	15	36	350	3.2	35	SMCD_137+0600D65306
140	57	65	45	52.5	20.3	1.2	15	36	350	3.0	35	SMCD_147+0600D65306

(1) Equivalent series resistance typical values at f = 10 kHz

(2) Maximum RMS current at 10 kHz, θ_{amb}=70 °C (cooling-air temperature), Δθ_{case}=15°C (container temperature rise)

(3) The symbol + means capacitance tolerance (J=±5%, K=±10%)

Metallized Polypropylene Film Capacitor (For DC Link)

■ 尺寸 Dimensions (mm)

UN, 85°C : 800Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/μs	1kHz	10kHz	mΩ	A	
2.0	32	18	9	27.5	-	0.8	65	10	95	45.4	2.9	SMCD_205+0800D22806
3.0	32	20	11	27.5	-	0.8	65	10	95	30.3	4.4	SMCD_305+0800D22806
3.3	32	30	16	27.5	-	0.8	65	10	95	18.8	7.0	SMCD_335+0800D22806
4.0	32	25	13	27.5	-	0.8	65	10	95	22.7	5.8	SMCD_405+0800D22806
5.0	32	24.5	15	27.5	-	0.8	65	10	95	18.2	7.3	SMCD_505+0800D22806
6.0	32	30	16	27.5	-	0.8	65	10	95	15.1	8.7	SMCD_605+0800D22806
7.0	32	30	16	27.5	-	0.8	65	10	95	13.0	10.2	SMCD_705+0800D22806
8.0	32	33	18	27.5	-	0.8	65	10	95	12.5	10.5	SMCD_805+0800D22806
9.0	32	33	18	27.5	-	0.8	65	10	95	11.1	11.8	SMCD_905+0800D22806
10	32	37	22	27.5	-	0.8	65	10	95	11.0	12.0	SMCD_106+0800D22806
10	32	37	22	27.5	10.2	0.8	65	10	95	9.1	14.5	SMCD_106+0800D42806
11	32	37	22	27.5	-	0.8	65	10	95	10.0	12.0	SMCD_116+0800D22806
11	32	37	22	27.5	10.2	0.8	65	10	95	8.3	16.0	SMCD_116+0800D42806
12	32	37	22	27.5	-	0.8	65	10	95	9.3	12.0	SMCD_126+0800D22806
12	32	37	22	27.5	10.2	0.8	65	10	95	7.6	16.0	SMCD_126+0800D42806
13	32	37	22	27.5	-	0.8	65	10	95	8.8	12.0	SMCD_136+0800D22806
13	32	37	22	27.5	12.7	0.8	65	10	95	8.1	16.2	SMCD_136+0800D52806
14	32	37	22	27.5	-	0.8	65	10	95	8.2	12.0	SMCD_146+0800D22806
14	32	37	22	27.5	12.7	0.8	65	10	95	7.6	16.5	SMCD_146+0800D52806
8.0	41	30	16	37.5	-	1.0	30	18	160	22.3	5.4	SMCD_805+0800D23806
9.0	41	30	16	37.5	-	1.0	30	18	160	19.8	6.1	SMCD_905+0800D23806
10	41	33.5	18.5	37.5	-	1.0	30	18	160	17.8	6.7	SMCD_106+0800D23806
12	41	33.5	18.5	37.5	-	1.0	30	18	160	14.9	8.1	SMCD_126+0800D23806
15	42	40	20	37.5	10.2	1.0	30	18	160	11.9	10.1	SMCD_156+0800D43806
20	42	44	24	37.5	12.7	1.0	30	18	160	8.9	13.5	SMCD_206+0800D53806
25	42	44	24	37.5	12.7	1.0	30	18	160	7.1	16.8	SMCD_256+0800D53806
30	42	45	30	37.5	12.7	1.2	30	18	160	5.9	20.2	SMCD_306+0800D53806
30	42	45	30	37.5	20.3	1.2	30	18	160	5.9	20.2	SMCD_306+0800D63806

(1) Equivalent series resistance typical values at f = 10 kHz

(2) Maximum RMS current at 10 kHz, θ_{amb}=70 °C (cooling-air temperature), Δθ_{case}=15°C (container temperature rise)

(3) The symbol + means capacitance tolerance (J=±5%, K=±10%)

Metallized Polypropylene Film Capacitor (For DC Link)

■ 尺寸 Dimensions (mm)

U _N , 85°C : 800Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/μs	1kHz	10kHz	mΩ	A	
35	42	50	35	37.5	20.3	1.2	30	18	160	5.5	22.0	SMCD_356+0800D63806
40	42	50	35	37.5	20.3	1.2	30	18	160	4.8	25.1	SMCD_406+0800D63806
45	42	55	40	37.5	20.3	1.2	30	18	160	4.2	28.3	SMCD_456+0800D63806
50	42	55	40	37.5	20.3	1.2	30	18	160	3.8	31.4	SMCD_506+0800D63806
55	42	60	45	37.5	20.3	1.2	30	18	160	3.5	34.5	SMCD_556+0800D63806
60	42	60	45	37.5	20.3	1.2	30	18	160	3.2	35	SMCD_606+0800D63806
65	42	60	45	37.5	20.3	1.2	30	18	160	2.9	35	SMCD_656+0800D63806
25	57	45	25	52.5	12.7	1.2	15	33	320	14.3	8.4	SMCD_256+0800D55306
30	57	45	25	52.5	12.7	1.2	15	33	320	11.9	10.1	SMCD_306+0800D55306
35	57	45	25	52.5	12.7	1.2	15	33	320	10.2	11.8	SMCD_356+0800D55306
40	57	43.5	29.5	52.5	12.7	1.2	15	33	320	8.9	13.5	SMCD_406+0800D55306
40	57	43.5	29.5	52.5	20.3	1.2	15	33	320	8.9	13.5	SMCD_406+0800D65306
45	57	43.5	29.5	52.5	12.7	1.2	15	33	320	7.9	15.1	SMCD_456+0800D55306
45	57	43.5	29.5	52.5	20.3	1.2	15	33	320	7.9	15.1	SMCD_456+0800D65306
50	57	50	35	52.5	12.7	1.2	15	33	320	7.1	16.8	SMCD_506+0800D55306
50	57	50	35	52.5	20.3	1.2	15	33	320	7.1	16.8	SMCD_506+0800D65306
55	57	50	35	52.5	20.3	1.2	15	33	320	6.5	18.5	SMCD_556+0800D65306
60	57	55	35	52.5	20.3	1.2	15	33	320	5.9	20.2	SMCD_606+0800D65306
65	57	55	45	52.5	20.3	1.2	15	33	320	5.5	21.9	SMCD_656+0800D65306
70	57	55	45	52.5	20.3	1.2	15	33	320	5.1	23.6	SMCD_706+0800D65306
75	57	55	45	52.5	20.3	1.2	15	33	320	4.8	25.2	SMCD_756+0800D65306
80	57	55	45	52.5	20.3	1.2	15	33	320	4.6	25.9	SMCD_806+0800D65306
85	57	55	45	52.5	20.3	1.2	15	33	320	4.5	26.7	SMCD_856+0800D65306
90	57	55	45	52.5	20.3	1.2	15	33	320	4.2	28.3	SMCD_906+0800D65306
95	57	65	45	52.5	20.3	1.2	15	33	320	4.0	29.8	SMCD_956+0800D65306
100	57	65	45	52.5	20.3	1.2	15	33	320	3.8	31.4	SMCD_107+0800D65306
110	57	65	45	52.5	20.3	1.2	15	33	320	3.5	34.5	SMCD_117+0800D65306

(1) Equivalent series resistance typical values at f = 10 kHz

(2) Maximum RMS current at 10 kHz, θ_{amb}=70 °C (cooling-air temperature), Δθ_{case}=15°C (container temperature rise)

(3) The symbol + means capacitance tolerance (J=±5%, K=±10%)

Metallized Polypropylene Film Capacitor (For DC Link)

■ 尺寸 Dimensions (mm)

UN, 85°C : 900Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/μs	1kHz	10kHz	mΩ	A	
1.0	32	18	9	27.5	-	0.8	70	9	90	86	1.5	SMCD_105+0900D22806
2.0	32	20	11	27.5	-	0.8	70	9	90	43	3.1	SMCD_205+0900D22806
3.0	32	22	13	27.5	-	0.8	70	9	90	28.7	4.6	SMCD_305+0900D22806
4.0	32	24.5	15	27.5	-	0.8	70	9	90	21.5	6.1	SMCD_405+0900D22806
5.0	32	30	16	27.5	-	0.8	70	9	90	17.2	7.7	SMCD_505+0900D22806
6.0	32	33	18	27.5	-	0.8	70	9	90	18	6.9	SMCD_605+0900D22806
7.0	32	33	18	27.5	-	0.8	70	9	90	13	10.2	SMCD_705+0900D22806
8.0	32	37	22	27.5	-	0.8	70	9	90	11.5	11.4	SMCD_805+0900D22806
8.0	32	37	22	27.5	10.2	0.8	70	9	90	10.7	12.3	SMCD_805+0900D42806
9.0	32	37	22	27.5	-	0.8	70	9	90	10.4	12.0	SMCD_905+0900D22806
9.0	32	37	22	27.5	12.7	0.8	70	9	90	9.6	13.8	SMCD_905+0900D52806
10	32	37	22	27.5	-	0.8	70	9	90	12	12.2	SMCD_106+0900D22806
10	32	37	22	27.5	12.7	0.8	70	9	90	8.6	15.4	SMCD_106+0900D52806
4.7	41	26	15	37.5	-	1.0	35	17	150	35.6	3.4	SMCD_475+0900D23806
5.0	41	30	16	37.5	-	1.0	35	17	150	33.4	3.6	SMCD_505+0900D23806
6.0	41	30	16	37.5	-	1.0	35	17	150	27.9	4.3	SMCD_605+0900D23806
7.0	41	30	16	37.5	-	1.0	35	17	150	23.9	5.0	SMCD_705+0900D23806
8.0	41	33	18	37.5	-	1.0	35	17	150	20.9	5.7	SMCD_805+0900D23806
10	42	40	20	37.5	10.2	1.0	35	17	150	16.7	7.2	SMCD_106+0900D43806
12	41	37	22	37.5	10.2	1.0	35	17	150	13.9	8.6	SMCD_126+0900D43806
15	42	44	24	37.5	12.7	1.0	35	17	150	11.1	10.8	SMCD_156+0900D53806
18	42	44	24	37.5	12.7	1.0	35	17	150	9.3	12.9	SMCD_186+0900D53806
20	42	44	24	37.5	12.7	1.0	35	17	150	8.4	14.4	SMCD_206+0900D53806
25	42	45	30	37.5	12.7	1.2	35	17	150	6.7	17.9	SMCD_256+0900D53806
25	42	45	30	37.5	20.3	1.2	35	17	150	6.7	17.9	SMCD_256+0900D63806
30	42	50	35	37.5	20.3	1.2	35	17	150	5.6	21.5	SMCD_306+0900D63806
35	42	55	40	37.5	20.3	1.2	35	17	150	5.1	23.4	SMCD_356+0900D63806
40	42	55	40	37.5	20.3	1.2	35	17	150	4.5	26.8	SMCD_406+0900D63806
45	42	60	45	37.5	20.3	1.2	35	17	150	4.0	30.1	SMCD_456+0900D63806
50	42	60	45	37.5	20.3	1.2	35	17	150	3.6	33.5	SMCD_506+0900D63806

Metallized Polypropylene Film Capacitor (For DC Link)

■ 尺寸 Dimensions (mm)

U _N , 85°C : 900Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/μs	1kHz	10kHz	mΩ	A	
15	57	45	25	52.5	10.2	1.2	15	31	300	22.3	5.4	SMCD_156+0900D45306
20	57	45	25	52.5	12.7	1.2	15	31	300	16.7	7.2	SMCD_206+0900D55306
25	57	45	25	52.5	12.7	1.2	15	31	300	13.4	9.0	SMCD_256+0900D55306
30	57	43.5	29.5	52.5	12.7	1.2	15	31	300	11.1	10.8	SMCD_306+0900D55306
30	57	43.5	29.5	52.5	20.3	1.2	15	31	300	11.1	10.8	SMCD_306+0900D65306
35	57	43.5	29.5	52.5	12.7	1.2	15	31	300	9.6	12.6	SMCD_356+0900D55306
35	57	50	29.5	52.5	20.3	1.2	15	31	300	9.6	12.6	SMCD_356+0900D65306
40	57	50	35	52.5	20.3	1.2	15	31	300	8.4	14.4	SMCD_406+0900D65306
45	57	50	35	52.5	20.3	1.2	15	31	300	7.4	16.1	SMCD_456+0900D65306
50	57	50	35	52.5	20.3	1.2	15	31	300	6.7	17.9	SMCD_506+0900D65306
55	57	55	45	52.5	20.3	1.2	15	31	300	6.1	19.7	SMCD_556+0900D65306
60	57	55	45	52.5	20.3	1.2	15	31	300	5.6	21.5	SMCD_606+0900D65306
65	57	55	45	52.5	20.3	1.2	15	31	300	5.1	23.3	SMCD_656+0900D65306
70	57	65	45	52.5	20.3	1.2	15	31	300	4.8	25.1	SMCD_706+0900D65306
75	57	65	45	52.5	20.3	1.2	15	31	300	4.7	25.7	SMCD_756+0900D65306
80	57	65	45	52.5	20.3	1.2	15	31	300	4.5	26.8	SMCD_806+0900D65306
85	57	65	45	52.5	20.3	1.2	15	31	300	4.2	28.5	SMCD_856+0900D65306

(1) Equivalent series resistance typical values at f = 10 kHz

(2) Maximum RMS current at 10 kHz, θ_{amb}=70 °C (cooling-air temperature), Δθ_{case}=15°C (container temperature rise)

(3) The symbol + means capacitance tolerance (J=±5%, K=±10%)

Metallized Polypropylene Film Capacitor (For DC Link)

■ 尺寸 Dimensions (mm)

U _N , 85°C : 1000Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/μs	1kHz	10kHz	mΩ	A	
1.0	32	18	9	27.5	-	0.8	75	8	80	76.4	1.7	SMCD_105+1000D22806
2.0	32	22	13	27.5	-	0.8	75	8	80	38.2	3.5	SMCD_205+1000D22806
3.0	32	24.5	15	27.5	-	0.8	75	8	80	25.5	5.2	SMCD_305+1000D22806
4.0	32	30	16	27.5	-	0.8	75	8	80	19.1	6.9	SMCD_405+1000D22806
5.0	32	33	18	27.5	-	0.8	75	8	80	15.3	8.6	SMCD_505+1000D22806
6.0	32	33	18	27.5	-	0.8	75	8	80	14.9	8.9	SMCD_605+1000D22806
7.0	32	37	22	27.5	-	0.8	75	8	80	14.5	9.4	SMCD_705+1000D22806
7.0	32	37	22	27.5	12.7	0.8	75	8	80	11.4	11.6	SMCD_705+1000D52806
8.0	32	37	22	27.5	-	0.8	75	8	80	13.0	10.8	SMCD_805+1000D22806
8.0	32	37	22	27.5	12.7	1.0	75	8	80	10.0	13.3	SMCD_805+1000D52806
5.0	41	30	16	37.5	-	1.0	37	15	140	31.2	3.8	SMCD_505+1000D23806
6.0	41	30	16	37.5	-	1.0	37	15	140	26.0	4.6	SMCD_605+1000D23806
7.0	41	33	18	37.5	-	1.0	37	15	140	22.3	5.4	SMCD_705+1000D23806
8.0	41	33	18	37.5	-	1.0	37	15	140	19.5	6.2	SMCD_805+1000D23806
10	42	40	20	37.5	-	1.0	37	15	140	15.6	6.7	SMCD_106+1000D23806
10	42	40	20	37.5	10.2	1.0	37	15	140	15.6	7.7	SMCD_106+1000D43806
12	41	37	22	37.5	12.7	1.0	37	15	140	13.0	9.2	SMCD_126+1000D53806
12	41	37	22	37.5	-	1.0	37	15	140	15.0	8.0	SMCD_126+1000D23806
15	42	44	24	37.5	12.7	1.0	37	15	140	10.4	11.5	SMCD_156+1000D53806
18	42	45	30	37.5	12.7	1.2	37	15	140	8.7	13.8	SMCD_186+1000D53806
18	42	45	30	37.5	20.3	1.2	37	15	140	8.7	13.8	SMCD_186+1000D63806
20	42	45	30	37.5	12.7	1.2	37	15	140	7.8	15.4	SMCD_206+1000D53806
20	42	45	30	37.5	20.3	1.2	37	15	140	7.8	15.4	SMCD_206+1000D63806
25	42	50	35	37.5	20.3	1.2	37	15	140	6.2	19.2	SMCD_256+1000D63806
30	42	55	40	37.5	20.3	1.2	37	15	140	5.2	23.1	SMCD_306+1000D63806
35	42	55	40	37.5	20.3	1.2	37	15	140	4.8	25.1	SMCD_356+1000D63806
40	42	60	45	37.5	20.3	1.2	37	15	140	4.2	28.7	SMCD_406+1000D63806

(1) Equivalent series resistance typical values at f = 10 kHz

(2) Maximum RMS current at 10 kHz, θ_{amb}=70 °C (cooling-air temperature), Δθ_{case}=15°C (container temperature rise)

(3) The symbol + means capacitance tolerance (J=±5%, K=±10%)

Metallized Polypropylene Film Capacitor (For DC Link)

■ 尺寸 Dimensions (mm)

U _N , 85°C : 1000Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/us	1kHz	10kHz	mΩ		
15	57	45	25	52.5	12.7	1.2	17	28	280	20.8	5.8	SMCD_156+1000D55306
20	57	45	25	52.5	12.7	1.2	17	28	280	15.6	7.7	SMCD_206+1000D55306
25	57	45	25	52.5	12.7	1.2	17	28	280	12.5	9.6	SMCD_256+1000D55306
30	57	45	30	52.5	12.7	1.2	17	28	280	10.4	11.5	SMCD_306+1000D55306
30	57	45	30	52.5	20.3	1.2	17	28	280	10.4	11.5	SMCD_306+1000D65306
35	57	50	35	52.5	20.3	1.2	17	28	280	8.9	13.5	SMCD_356+1000D65306
40	57	50	35	52.5	20.3	1.2	17	28	280	7.8	15.4	SMCD_406+1000D65306
45	57	55	45	52.5	20.3	1.2	17	28	280	6.9	17.3	SMCD_456+1000D65306
50	57	55	45	52.5	20.3	1.2	17	28	280	6.2	19.2	SMCD_506+1000D65306
55	57	55	45	52.5	20.3	1.2	17	28	280	5.7	21.1	SMCD_556+1000D65306
60	57	65	45	52.5	20.3	1.2	17	28	280	5.2	23.1	SMCD_606+1000D65306
65	57	65	45	52.5	20.3	1.2	17	28	280	4.8	25.0	SMCD_656+1000D65306
70	57	65	45	52.5	20.3	1.2	17	28	280	4.5	26.9	SMCD_706+1000D65306

(1) Equivalent series resistance typical values at f = 10 kHz

(2) Maximum RMS current at 10 kHz, θ_{amb}=70 °C (cooling-air temperature), Δθ_{case}=15°C (container temperature rise)

(3) The symbol + means capacitance tolerance (J=±5%, K=±10%)

Metallized Polypropylene Film Capacitor (For DC Link)

■ 尺寸 Dimensions (mm)

U _N , 85°C : 1100Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/μs	1kHz	10kHz	mΩ	A	
0.68	32	20	11	27.5	-	0.8	80	8	70	80.0	1.7	SMCD_684+1100D22806
1.0	32	20	11	27.5	-	0.8	80	8	70	59.4	2.2	SMCD_105+1100D22806
1.5	32	22	13	27.5	-	0.8	80	8	70	55.7	2.4	SMCD_155+1100D22806
2.0	32	25	13	27.5	-	0.8	80	8	70	27.9	4.7	SMCD_205+1100D22806
3.0	32	30	16	27.5	-	0.8	80	8	70	20.4	6.5	SMCD_305+1100D22806
4.0	32	33	18	27.5	-	0.8	80	8	70	15.3	8.6	SMCD_405+1100D22806
5.0	32	37	22	27.5	-	0.8	80	8	70	14.0	9.8	SMCD_505+1100D22806
5.0	32	37	22	27.5	10.2	0.8	80	8	70	12.3	10.8	SMCD_505+1100D42806
6.0	32	37	22	27.5	-	0.8	80	8	70	12.3	10.8	SMCD_605+1100D22806
6.0	32	37	22	27.5	10.2	0.8	80	8	70	10.2	12.9	SMCD_605+1100D42806
3.0	41	30	16	37.5	-	1.0	40	15	130	48.3	2.5	SMCD_305+1100D23806
4.0	41	30	16	37.5	-	1.0	40	15	130	36.2	3.3	SMCD_405+1100D23806
4.7	41	33.5	18.5	37.5	-	1.0	40	15	130	30.8	3.9	SMCD_475+1100D23806
5.0	41	33.5	18.5	37.5	-	1.0	40	15	130	29.0	4.1	SMCD_505+1100D23806
6.0	41	33.5	18.5	37.5	-	1.0	40	15	130	24.2	5.0	SMCD_605+1100D23806
7.0	42	40	20	37.5	10.2	1.0	40	15	130	20.7	5.8	SMCD_705+1100D43806
8.0	41	37	22	37.5	10.2	1.0	40	15	130	18.1	6.6	SMCD_805+1100D43806
9.0	41	37	22	37.5	12.7	1.0	40	15	130	16.1	7.5	SMCD_905+1100D53806
10	42	44	24	37.5	12.7	1.0	40	15	130	14.5	8.3	SMCD_106+1100D53806
12	42	44	24	37.5	12.7	1.0	40	15	130	12.1	9.9	SMCD_126+1100D53806
12	42	44	24	37.5	-	1.0	40	15	130	14.0	8.6	SMCD_126+1100D23806
15	42	45	30	37.5	12.7	1.2	40	15	130	9.7	12.4	SMCD_156+1100D53806
15	42	45	30	37.5	20.3	1.2	40	15	130	9.7	12.4	SMCD_156+1100D63806
18	42	50	35	37.5	20.3	1.2	40	15	130	8.1	14.9	SMCD_186+1100D63806
20	42	50	35	37.5	20.3	1.2	40	15	130	7.2	16.6	SMCD_206+1100D63806
25	42	55	40	37.5	20.3	1.2	40	15	130	5.8	20.7	SMCD_256+1100D63806
30	42	60	45	37.5	20.3	1.2	40	15	130	4.8	24.8	SMCD_306+1100D63806

(1) Equivalent series resistance typical values at f = 10 kHz

(2) Maximum RMS current at 10 kHz, θ_{amb}=70 °C (cooling-air temperature), Δθ_{case}=15°C (container temperature rise)

(3) The symbol + means capacitance tolerance (J=±5%, K=±10%)

Metallized Polypropylene Film Capacitor (For DC Link)

■ 尺寸 Dimensions (mm)

U _N , 85°C : 1100Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/μs	1kHz	10kHz	mΩ		
20	57	43.5	29.5	52.5	12.7	1.2	20	27	260	14.5	8.3	SMCD_206+1100D55306
20	57	43.5	29.5	52.5	20.3	1.2	20	27	260	14.5	8.3	SMCD_206+1100D65306
25	57	50	35	52.5	20.3	1.2	20	27	260	11.6	10.4	SMCD_256+1100D65306
30	57	50	35	52.5	20.3	1.2	20	27	260	9.7	12.4	SMCD_306+1100D65306
35	57	55	45	52.5	20.3	1.2	20	27	260	8.4	14.3	SMCD_356+1100D65306
40	57	55	45	52.5	20.3	1.2	20	27	260	7.8	15.5	SMCD_406+1100D65306
45	57	55	45	52.5	20.3	1.2	20	27	260	6.9	17.4	SMCD_456+1100D65306
50	57	65	45	52.5	20.3	1.2	20	27	260	6.2	19.3	SMCD_506+1100D65306
55	57	65	45	52.5	20.3	1.2	20	27	260	5.6	21.3	SMCD_556+1100D65306

(1) Equivalent series resistance typical values at f = 10 kHz

(2) Maximum RMS current at 10 kHz, θ_{amb}=70 °C (cooling-air temperature), Δθ_{case}=15°C (container temperature rise)

(3) The symbol + means capacitance tolerance (J=±5%, K=±10%)

■ 尺寸 Dimensions (mm)

U _N , 85°C : 1200Vdc												
Cap. μF	W _{±1.0}	H _{±1.0}	T _{±1.0}	P _{±0.5}	P1 _{±0.5}	d _{±0.05}	dV/dt	tanδ x 10 ⁻⁴		ESR @10KHz	I _{max}	Part number
							V/μs	1kHz	10kHz	mΩ	A	
1.0	32	20	11	27.5	-	0.8	90	7	55	39.5	3.5	SMCD_105+1200D22806
2.0	32	24.5	15	27.5	-	0.8	90	7	55	26.3	5.0	SMCD_205+1200D22806
3.0	32	30	16	27.5	-	0.8	90	7	55	17.5	7.5	SMCD_305+1200D22806
4.0	32	33	18	27.5	-	0.8	90	7	55	13.9	9.5	SMCD_405+1200D22806
5.0	32	37	22	27.5	-	0.8	90	7	55	12.7	10.4	SMCD_505+1200D22806
5.0	32	37	22	27.5	10.2	0.8	90	7	55	11.1	11.8	SMCD_505+1200D42806
3.0	41	30	16	37.5	-	1.0	45	13	100	37.2	3.2	SMCD_305+1200D23806
4.0	41	30	16	37.5	-	1.0	45	13	100	27.9	4.3	SMCD_405+1200D23806
5.0	41	33.5	18.5	37.5	-	1.0	45	13	100	22.3	5.4	SMCD_505+1200D23806
6.0	42	40	20	37.5	-	1.0	45	13	100	18.6	6.5	SMCD_605+1200D23806
7.0	41	37	22	37.5	10.2	1.0	45	13	100	15.9	7.5	SMCD_705+1200D43806
8.0	42	44	24	37.5	12.7	1.0	45	13	100	13.9	8.6	SMCD_805+1200D53806
9.0	42	44	24	37.5	12.7	1.0	45	13	100	12.4	9.7	SMCD_905+1200D53806
10	42	44	24	37.5	12.7	1.0	45	13	100	11.1	10.8	SMCD_106+1200D53806
12	42	45	30	37.5	12.7	1.2	45	13	100	9.3	12.9	SMCD_126+1200D53806
12	42	45	30	37.5	20.3	1.2	45	13	100	9.3	12.9	SMCD_126+1200D63806
15	42	50	35	37.5	20.3	1.2	45	13	100	7.4	16.1	SMCD_156+1200D63806
18	42	50	35	37.5	20.3	1.2	45	13	100	6.6	18.1	SMCD_186+1200D63806
20	42	55	40	37.5	20.3	1.2	45	13	100	6.0	20.1	SMCD_206+1200D63806
25	42	60	45	37.5	20.3	1.2	45	13	100	4.8	25.1	SMCD_256+1200D63806
12	57	45	25	52.5	12.7	1.2	23	24	200	19.9	6.0	SMCD_126+1200D55306
15	57	45	25	52.5	12.7	1.2	23	24	200	15.9	7.5	SMCD_156+1200D55306
20	57	45	30	52.5	12.7	1.2	23	24	200	11.9	10.0	SMCD_206+1200D55306
20	57	45	30	52.5	20.3	1.2	23	24	200	11.9	10.0	SMCD_206+1200D65306
25	57	50	35	52.5	20.3	1.2	23	24	200	9.6	12.6	SMCD_256+1200D65306
30	57	55	45	52.5	20.3	1.2	23	24	200	8.0	15.1	SMCD_306+1200D65306
35	57	55	45	52.5	20.3	1.2	23	24	200	6.8	17.6	SMCD_356+1200D65306
40	57	65	45	52.5	20.3	1.2	23	24	200	6.0	20.1	SMCD_406+1200D65306
45	57	65	45	52.5	20.3	1.2	23	24	200	5.3	22.6	SMCD_456+1200D65306