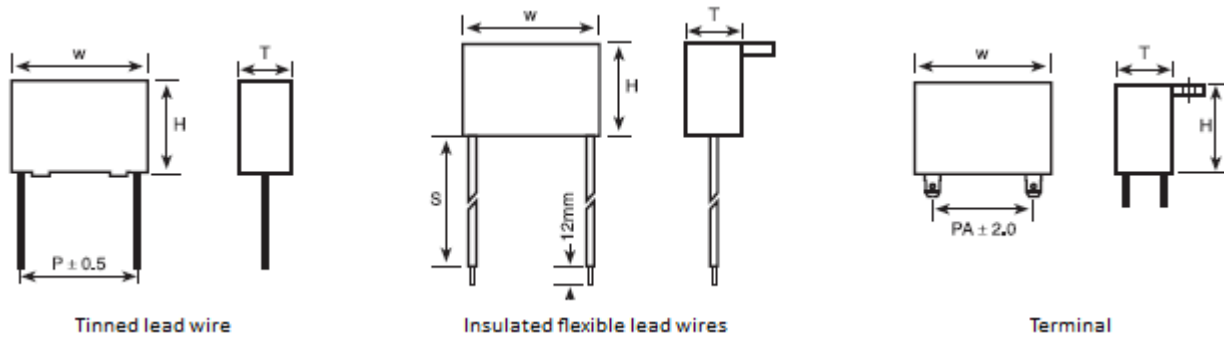


金屬化聚丙烯膜交流電機電容器 SMCB series (Class-S0)

■ 外觀圖 Outline Drawing



■ 主要用途

適用於頻率為 50/60Hz 交流電源供電的
單相電動機起動和運轉。

■ 特點

高自愈特性
性能穩定·可靠性高
塑料外殼(UL94 V-0),阻燃環氧樹脂填充

■ 結構組合

介質: 聚丙烯膜
電極: 金屬蒸鍍層 (鋅鋁合成加厚型)
外殼: 阻燃 PBT 塑殼 (UL94 V-0)
封裝: 阻燃環氧樹脂 (UL94 V-0)
導線: 鍍錫銅包鋼線

■ Typical Applications

Widely applied to starting and running of AC
Single-phase motors at 50/60Hz frequency power




■ Features

Self-healing property
Extremely stable performance and reliability
Plastic case (UL94 V-0), Epoxy resin sealing

■ Construction

Dielectric: Polypropylene film
Electrodes: Metal vapor coating(Zn-Al synthetic)
Case: Flame-retardant PBT (UL94 V-0)
Epoxy Resin coating (UL 94 V-0)
Lead: Tinned copper clad steel wire

■ 安全認證 Safety Approvals

UL UL810	S0	E353342	
VDE EN 60252-1:2001	S0	40034955	
CQC GB/T3667.1- 2016	S0	CQC10002042525	

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■ 技術要求 Specifications

氣候類別 / 阻燃等級 Climatic Category / Passive Flammability Class	40/85/21/B
工作溫度範圍 Operating Temperature Range	-40°C~85°C
額定電壓 Rated Voltage	250V, 300V, 350V, 400V, 450Vac
電容量範圍 Capacitance Range	0.5μF(505)~50μF(506)
電容偏差 Capacitance Tolerance	±5% (J)
絕緣電阻 Insulation Resistance	≥ 3,000 MΩ ÷ (C)μF (20°C, 100V, 1min)
損耗角 Dissipation Factor	0.2% Max, at 1KHz and 25°C

■ 產品編碼說明 Product code system

19位產品代碼如下:



第 1~4 碼	薄膜電容器系列代碼 SMCB = AC Motor Capacitor	Digit 1 to 4	Series code
第 5 碼	內部使用	Digit 5	Internal use
第 6~8 碼	標稱容量描述的三位數代碼 103=10000pF=10nF=0.01μF	Digit 6 to 8	Rated capacitance value
第 9 碼	容量偏差 ±5% (J), ±10% (M)	Digit 9	Capacitance tolerance
第 10~13 碼	額定電壓	Digit 10 to 13	Rated Voltage
第 14 碼	電壓代碼 A= AC, D=DC	Digit 14	Voltage code
第 15 碼	引線成形 Shown as Product code system	Digit 15	Lead forming
第 16~17 碼	引線間距 08=7.5mm, 15=15mm, 23=22.5mm	Digit 16 to 17	Lead pitch
第 18~19 碼	引線長度 04=3.5mm, 06=6mm, 15=15mm	Digit 18 to 19	Lead length

Metallized Polypropylene Film Capacitor
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(Class-S0)



■ 外型尺寸表 Dimensions (mm) Tinned lead wire

250Vac						
容量 μF	W	H	T	P	d	產品代碼 Part number
1.0	32	19.5	11	27.5	0.8	SMCB_105J0250A*28**
1.2	32	19.5	11	27.5	0.8	SMCB_125J0250A*28**
1.5	32	19.5	11	27.5	0.8	SMCB_155J0250A*28**
1.8	32	22	13	27.5	0.8	SMCB_185J0250A*28**
2.0	32	22	13	27.5	0.8	SMCB_205J0250A*28**
2.2	32	22	13	27.5	0.8	SMCB_225J0250A*28**
2.5	32	23	13	27.5	0.8	SMCB_255J0250A*28**
2.7	32	24.5	14	27.5	0.8	SMCB_275J0250A*28**
3.0	38	24.5	14	31.5	0.8	SMCB_305J0250A*32**
3.5	38	26	15	31.5	0.8	SMCB_355J0250A*32**
4.0	38	26	16	31.5	0.8	SMCB_405J0250A*32**
4.5	38	28	18	31.5	0.8	SMCB_455J0250A*32**
5.0	38	28	18	31.5	0.8	SMCB_505J0250A*32**
5.5	38	30	20	31.5	0.8	SMCB_555J0250A*32**
6.0	38	30	20	31.5	0.8	SMCB_605J0250A*32**
7.0	38	35	21	31.5	0.8	SMCB_705J0250A*32**
8.0	38	35	21	31.5	0.8	SMCB_805J0250A*32**
9.0	48	30	20	41.5	0.8	SMCB_905J0250A*42**
10	50	32	22	41.5	0.8	SMCB_106J0250A*42**

300Vac						
容量 μF	W	H	T	P	d	產品代碼 Part number
1.0	36	22	12	31.5	0.8	SMCB_105J0300A*32**
1.2	36	22	12	31.5	0.8	SMCB_125J0300A*32**
1.5	36	22	12	31.5	0.8	SMCB_155J0300A*32**
1.8	36	22	12	31.5	0.8	SMCB_185J0300A*32**
2.0	36	23	14	31.5	0.8	SMCB_205J0300A*32**
2.2	36	23	14	31.5	0.8	SMCB_225J0300A*32**
2.5	37	26	15	31.5	0.8	SMCB_255J0300A*32**
2.7	37	26	15	31.5	0.8	SMCB_275J0300A*32**
3.0	38	26	16	31.5	0.8	SMCB_305J0300A*32**
3.5	38	28	18	31.5	0.8	SMCB_355J0300A*32**
4.0	38	28	18	31.5	0.8	SMCB_405J0300A*32**
4.5	38	30	20	31.5	0.8	SMCB_455J0300A*32**
5.0	38	35	21	31.5	0.8	SMCB_505J0300A*32**
5.5	38	35	21	31.5	0.8	SMCB_555J0300A*32**
6.0	49	30	20	41.5	0.8	SMCB_605J0300A*42**
7.0	50	32	22	41.5	0.8	SMCB_705J0300A*42**
8.0	50	32	22	41.5	0.8	SMCB_805J0300A*42**
9.0	48	37	26	41.5	0.8	SMCB_905J0300A*42**
10	48	37	26	41.5	0.8	SMCB_106J0300A*42**

_ = Internal use

* = Lead forming

** = Lead length

Metallized Polypropylene Film Capacitor
 金屬化聚丙烯膜交流電機電容器 SMCB series
 (Class-S0)



■ 外型尺寸表 Dimensions (mm) Tinned lead wire

350Vac						
容量 μF	W	H	T	P	d	產品代碼 Part number
1.0	36	22	12	31.5	0.8	SMCB_105J0350A*32**
1.2	36	22	12	31.5	0.8	SMCB_125J0350A*32**
1.5	36	22	12	31.5	0.8	SMCB_155J0350A*32**
1.8	36	22	12	31.5	0.8	SMCB_185J0350A*32**
2.0	36	23	14	31.5	0.8	SMCB_205J0350A*32**
2.2	36	23	14	31.5	0.8	SMCB_225J0350A*32**
2.5	37	26	15	31.5	0.8	SMCB_255J0350A*32**
2.7	37	26	15	31.5	0.8	SMCB_275J0350A*32**
3.0	38	26	16	31.5	0.8	SMCB_305J0350A*32**
3.5	38	28	18	31.5	0.8	SMCB_355J0350A*32**
4.0	38	28	18	31.5	0.8	SMCB_405J0350A*32**
4.5	38	30	20	31.5	0.8	SMCB_455J0350A*32**
5.0	38	35	21	31.5	0.8	SMCB_505J0350A*32**
5.5	38	35	21	31.5	0.8	SMCB_555J0350A*32**
6.0	49	30	20	41.5	0.8	SMCB_605J0350A*42**
7.0	50	32	22	41.5	0.8	SMCB_705J0350A*42**
8.0	50	32	22	41.5	0.8	SMCB_805J0350A*42**
9.0	48	37	26	41.5	0.8	SMCB_905J0350A*42**
10	48	37	26	41.5	0.8	SMCB_106J0350A*42**

400Vac						
容量 μF	W	H	T	P	d	產品代碼 Part number
1.0	36	22	12	31.5	0.8	SMCB_105J0400A*32**
1.2	36	22	12	31.5	0.8	SMCB_125J0400A*32**
1.5	38	23	14	31.5	0.8	SMCB_155J0400A*32**
1.8	37	26	15	31.5	0.8	SMCB_185J0400A*32**
2.0	38	26	16	31.5	0.8	SMCB_205J0400A*32**
2.2	38	26	16	31.5	0.8	SMCB_225J0400A*32**
2.5	38	26	16	31.5	0.8	SMCB_255J0400A*32**
2.7	38	28	18	31.5	0.8	SMCB_275J0400A*32**
3.0	38	28	18	31.5	0.8	SMCB_305J0400A*32**
3.5	38	30	20	31.5	0.8	SMCB_355J0400A*32**
4.0	38	35	20	31.5	0.8	SMCB_405J0400A*32**
4.5	49	30	20	41.5	0.8	SMCB_455J0400A*42**
5.0	49	30	20	41.5	0.8	SMCB_505J0400A*42**
5.5	50	32	22	41.5	0.8	SMCB_555J0400A*42**
6.0	50	32	22	41.5	0.8	SMCB_605J0400A*42**
7.0	48	37	26	41.5	0.8	SMCB_705J0400A*42**
8.0	48	37	26	41.5	0.8	SMCB_805J0400A*42**
9.0	58	38	25	51.5	0.8	SMCB_905J0400A*52**
10	58	38	26	51.5	0.8	SMCB_106J0400A*52**

_ = Internal use

* = Lead forming

** = Lead length

Metallized Polypropylene Film Capacitor
 金屬化聚丙烯膜交流電機電容器 SMCB series
 (Class-S0)

■ 外型尺寸表 Dimensions (mm) Tinned lead wire

450Vac						
容量 μF	W	H	T	P	d	產品代碼 Part number
1.0	36	22	12	31.5	0.8	SMCB_105J0450A*32**
1.2	36	22	12	31.5	0.8	SMCB_125J0450A*32**
1.5	38	23	14	31.5	0.8	SMCB_155J0450A*32**
1.8	37	26	15	31.5	0.8	SMCB_185J0450A*32**
2.0	38	26	16	31.5	0.8	SMCB_205J0450A*32**
2.2	38	26	16	31.5	0.8	SMCB_225J0450A*32**
2.5	38	26	16	31.5	0.8	SMCB_255J0450A*32**
2.7	38	28	18	31.5	0.8	SMCB_275J0450A*32**
3.0	38	28	18	31.5	0.8	SMCB_305J0450A*32**
3.5	38	30	20	31.5	0.8	SMCB_355J0450A*32**
4.0	38	35	20	31.5	0.8	SMCB_405J0450A*32**
4.5	49	30	20	41.5	0.8	SMCB_455J0450A*42**
5.0	49	30	20	41.5	0.8	SMCB_505J0450A*42**
5.5	50	32	22	41.5	0.8	SMCB_555J0450A*42**
6.0	50	32	22	41.5	0.8	SMCB_605J0450A*42**
7.0	48	37	26	41.5	0.8	SMCB_705J0450A*42**
8.0	48	37	26	41.5	0.8	SMCB_805J0450A*42**
9.0	58	38	25	51.5	0.8	SMCB_905J0450A*52**
10	58	38	26	51.5	0.8	SMCB_106J0450A*52**

_ = Internal use

* = Lead forming

** = Lead length