

SBP Series

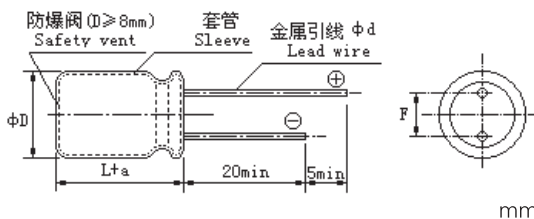
- 超小型 ● 高度為 7mm ● 无极性
- 性能穩定，可靠性高。
- Super Miniaturized Type ● 7mm height ● No-polarized
- High stability and reliability



主要技术性能 Specifications

使用温度范围 Operating temperature range	-40 ~ +85°C						
额定电压范围 Rated voltage range	6.3 ~ 50V DC						
标称电容量允许偏差 Capacitance tolerance	± 20% (120Hz, 20°C)						
漏电流(20°C) Leakage current	I ≤ 0.03CV(μA) 或 10 μA 取较大者 Less than 0.03CV or 10 μA Whichever is greater						
损耗正切值 (120Hz 20°C) Dissipation Factor	W.V.	6.3	10	16	25	35	50
	tg δ	0.24	0.20	0.20	0.20	0.20	0.20
温度特性 (120Hz) Temperature characteristics Impedance ratio at 120Hz	WV	6.3	10	16	25	35	50
	Z _{-25°C} / Z _{+20°C}	6	4	4	3	2	2
	Z _{-40°C} / Z _{+20°C}	12	10	8	6	4	4
耐久性 Load life	+85°C, 施加额定电压 1000 小时后 (每 250 小时换向一次) 电容器应满足下列要求 After 1000 hours application of rated voltage at +85°C (with the polarity inverted every 250 hours) the capacitor shall meet the following requirement.						
	电容量变化率 Capacitance change	≤ ± 20% 初始测量值 ≤ ± 20% of Initial measured value					
	漏电流值 Leakage	≤ 规定值 ≤ The specified value					
	损耗角正切值 Dissipation factor	≤ 2 倍规定值 ≤ 200% of the specified value					
高温贮存 Shelf life	85°C, 1000 小时, 恢复 16 小时后, 电容器应满足下列要求 After storage for 1000 hours at +85°C and then resumed 16 hours, the capacitor shall meet the following requirement.						
	电容量变化率 Capacitance change	≤ ± 20% 初始测量值 ≤ ± 20% of Initial measured value					
	漏电流值 Leakage	≤ 2 倍规定值 ≤ 200% of the specified value					
	损耗角正切值 Dissipation factor	≤ 2 倍规定值 ≤ 200% of the specified value					

外形图及尺寸 Case size table



ΦD ± 0.5	4	5	6.3	8
L	7			
F ± 0.5	1.5	2.0	2.5	3.5
Φd ± 0.05	0.45		0.45 or 0.5	
a	1.0			

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■ 标称电容量、额定电压、额定纹波电流及外形尺寸对应表

Nominal capacitance, rated voltage, rated ripple current and case size table

wv mA μF	6.3V 0J		10V 1A		16 1C		25V 1E		35V 1V		50V 1H	
	ΦD×L	I~mA	ΦD×L	I~mA	ΦD×L	I~mA	ΦD×L	I~mA	ΦD×L	I~mA	ΦD×L	I~mA
0.1 (0R1)											4×7	1.5
0.22 (R22)											4×7	2.5
0.33 (R33)											4×7	4.5
0.47 (R47)											4×7	5.5
1.0 (010)											4×7	10
2.2 (2R2)							4×7	14	4×7	15	5×7	15
3.3 (3R3)							5×7	18	5×7	20	5×7	20
4.7 (4R7)					4×7	20	5×7	21	5×7	22	6.3×7	28
10 (100)	4×7	20	4×7	25	5×7	25	6.3×7	30	6.3×7	33	6.3×7	40
22 (220)	5×7	29	5×7	30	6.3×7	39	8×7	42	8×7	45	8×7	50
33 (330)	6.3×7	38	6.3×7	43	8×7	52	8×7	56	8×7	58		
47 (470)	6.3×7	46	8×7	60	8×7	62						
100 (101)	8×7	66	8×7	66								

I~ 额定纹波电流 Rated ripple current: (mA, 85°C, 120Hz)

■ 额定纹波电流的频率系数 Frequency coefficient of rated ripple current

Frequency 频率	50Hz	120Hz	300Hz	1KHz	10KHz≤
Coefficient 系数 0.1 ~ 47 μF	0.80	1.00	1.17	1.30	1.50
100 μF	0.80	1.00	1.10	1.15	1.20