

# SLX Series

## FEATURES

- Snap-in type, 85 °C 2000 hours standard product.
- Suitable for filter circuit of home appliance, e.g. TV set, audio etc.
- RoHS Compliance
- 基板自立 85 °C 2000小时标准品。
- 适用于家电产品输入/输出电源的滤波回路，如电视机、音响等。



## SPECIFICATIONS

Items 项目	Characteristics 特性							
Capacitance Tolerance 静电容量误差	± 20%(120Hz,20°C)							
Operating Temperature Range 适用温度范围	-40 ~ +85°C				-25 ~ +85°C			
Rated Voltage Range 额定电压范围	10 ~ 100VDC				160 ~ 500VDC			
Leakage Current 泄漏电流	$I \leq 3\sqrt{CV}$ (µA) ( After 5 minutes application of DC rated voltage, at 20 °C)							
Dissipation Factor 散逸因素( tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C							
	Rated Voltage(V)	10	16	25	35	50~80	100~250	350~500
	tan δ(Max)	0.50	0.40	0.35	0.30	0.25	0.20	0.25
	When nominal capacitance over 1000µF, tanδ shall be added 0.01 to the listed value with increase of every 1000µF.							
Low Temperature Stability 低温特性 Impedance Ratio(Max) 阻抗比率(最大值)	Measurement Frequency: 120Hz.							
	Rated Voltage(V)	10~100		160~250		350~500		
	Z(-25°C)/Z(20°C)	4		4		8		
	Z(-40°C)/Z(20°C)	12		15		-		
Load Life 负荷寿命	2000hours,with application of rated voltage at 85°C							
	Capacitance Change	Within ± 20% of Initial Value						
	tan δ	200% or less of Initial Specified Value						
	Leakage Current	Initial Specified Value or less						
Shelf Life 放置寿命	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours 85°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.							
	Capacitance Change	Within ± 20% of Initial Value						
	tan δ	150% or less of Initial Specified Value						
	Leakage Current	Initial Specified Value or less						
Standards 参照标准	JIS C 5101-4 (IEC 60384)							

## Frequency Coefficient of Permissible Ripple Current

Rated Voltage (V)	Frequency (Hz)			
	50	120	1K	≥ 10K
10 ~ 100	0.88	1.00	1.15	1.15
160 ~ 250	0.85	1.00	1.15	1.20
350 ~ 500	0.88	1.00	1.10	1.15

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use , the rms ripple current has to be reduced.





# STH Series

## 特征/FEATURES

- Withstanding 2000 hours application of rated ripple current at 105°C
- high ripple current
- Suitable for switching power supply, audio, computer equipment, inverter air conditioner, etc.
- Compliant to the RoHS directive
- 105°C印加纹波电流寿命保证2000小时
- 电源以及音响，使用时特性优良
- RoHs指令对策品

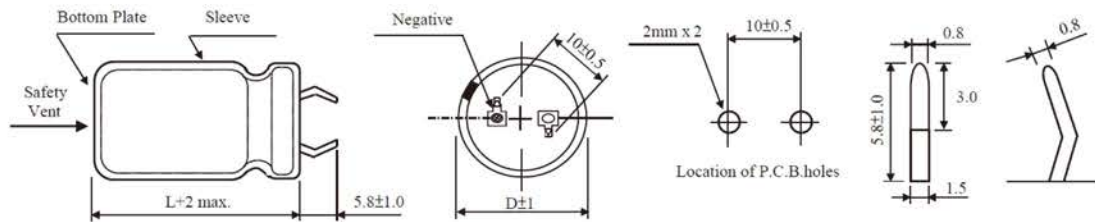


## 规格表/SPECIFICATIONS

项目 Items	特征 Characteristics								
温度范围 Category Temperat Range	-40°C ~ +105°C			-40°C ~ +105°C			-25°C ~ +105°C		
规格电压范围 Rated voltage range	6.3-100V.DC			160-250V.DC			350-450V.DC		
静电容量允许容差 Capacitance Tolerance	± 20% (20°C, 120Hz)								
漏电流 Leakage Current(MAX)	6.3-100V.DC				160-450V.DC				
	I=0.01CV或者3 (µA) 值以下 定格电压印加2分钟后 I=0.01CVor3 (µA) whichever is greater after 2 minutes application of rated voltage				I=0.02CV值以下 定格电压印加3分钟后 I=0.02CVwhichever is greater after 3 minutes application of rated voltage				
	I=漏电流 (µA)		C=定格静电容量 (µF)		V=定格电压 (V)				
	Leakage Current		Rated Capacitance		Rated Voltage				
损失角正接 (tan δ) Dissipation Factor(MAX)	定格电压 (V)	6.3	10	16	25	35	50	63	20°C
	Rated Voltage	0.22	0.2	0.16	0.14	0.12	0.1	0.09	
	定格电压 (V)	80	100	160	200	250	350-400	450	120Hz
	Rated Voltage	0.09	0.08	0.15	0.15	0.15	0.15	0.15	
容量超过1000 µF; 每超过1000 µF, 损失角增加0.02 Add 0.02 per 1,000 µF for more than 1,000 µF items.									
高温负荷特性 High Temp Load Test	105°C, 在规定的时间内, 印加定格电压与纹波电流后, 满足下列条件 After life test with ripple current at conditions stated in the table below, the capacitors shall meet the following requirements. 105°C施加额定电压3000小时后满足下列条件 After 3000 hours, application of DC rated working voltage at +105°C, capacitor shall meet the following limits.								
	静电容量变化率 Capacitance Change	初期值的 ± 25% Within ± 25%							
	损失角正接 (tan δ) Dissipation Factor	规格值的200%以内 Not more than the specified value							
	漏电流 Leakage Current(MAX)	规格值以下 Not more than the specified value							
低温特性 (抵抗比) Low Temperature Stability impedance Ratio MAX	规格电压 (V) Rated Voltage	6.3-16V	25-50V	63-100V	160-250V	350-400V	450V		
	Z(-25°C)/Z(20°C)	4	5	6	5	6	8		
	Z(-40°C)/Z(20°C)	8	9	10	9	10	12		
高温无负荷特性 High Temp Non-Load Test	After storage for 1000 hours at 105°C with no voltage applied, voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made, at which time requirements specified in the table "High Temperature Loading" can be met. 在105°C的条件下不加电压放置1000个小时, 按照JIS-C-5102中4-4的标准进行处理, 特性满足高温负荷特性								

# STH Series

## 寸法图DIMENSIONS



★  $\Phi 35 \text{ mm}$ :  $3.5 \pm 0.5 \text{ mm}$  The standard design has no plastic disc 标准的作业没有底座

### ▼ MULTIPLIER FOR RIPPLE CURRENT 纹波电流修正系数

(1) Frequency coefficient 频率系数

Freq.(Hz)	120	1K	10K	100K	(2) Temperature coefficient				
Cap( $\mu \text{ F}$ )					Ambient Temperature( $^{\circ}\text{C}$ ) Coefficient	65	75	85	105
330 ~ 680	1.00	1.30	1.41	1.43		1.10	1.15	1.20	1.00
820 ~ 82000	1.00	1.20	1.25	1.30					

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 6.3V(0J)					
定格静容量( $\mu \text{ F}$ ) Rated Capacitance	外形尺寸 Size $\Phi \text{ D} \times \text{L}$ (mm)	定格电流 Rated ripple current m A r.m.s/105 $^{\circ}\text{C}$ ,120KHz	阻抗值 Impedance /100KHz/( $\Omega$ )		
			20 $^{\circ}\text{C}$	-10 $^{\circ}\text{C}$	
12000	22*25	1540	1.050	4.600	
15000	22*25	1720	1.000	4.300	
18000	22*30	1950	0.980	4.300	
18000	25*25	1960	0.950	4.300	
22000	22*35	2230	0.900	4.300	
22000	25*30	2250	0.800	4.300	
22000	30*25	2280	0.700	4.300	
27000	22*40	2540	0.600	4.300	
27000	25*35	2570	0.550	4.100	
27000	30*25	2570	0.450	3.900	
33000	22*45	2880	0.430	3.700	
33000	25*40	2930	0.410	3.300	
33000	30*30	2930	0.400	3.200	
33000	35*25	2930	0.380	3.100	
39000	25*40	3180	0.330	3.900	
39000	30*25	3260	0.290	3.300	
39000	35*30	3400	0.260	3.100	
47000	25*50	3690	0.250	2.900	
47000	30*40	3690	0.230	2.700	
47000	35*30	3730	0.220	2.500	
56000	30*45	4160	0.200	2.300	
56000	35*35	4160	0.180	2.100	
68000	30*50	4710	0.160	2.000	
68000	35*40	4710	0.140	1.800	
82000	35*45	5320	0.120	1.600	

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## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 10V(1A)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size ΦDxL (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
10000	22*25	1550	1.000	4.300
12000	22*30	1770	0.980	4.300
15000	22*30	1970	0.950	4.300
15000	25*25	1980	0.900	4.300
18000	22*35	2210	0.800	4.300
18000	25*30	2230	0.700	4.300
22000	22*40	2550	0.600	4.300
22000	25*35	2550	0.550	4.100
22000	30*25	2550	0.450	3.900
27000	22*50	2930	0.430	3.700
27000	25*40	2940	0.410	3.300
27000	30*30	2940	0.400	3.200
27000	35*25	2940	0.380	3.100
33000	25*45	3300	0.330	3.900
33000	30*35	3310	0.290	3.300
33000	35*30	3360	0.260	3.100
39000	25*50	3680	0.250	2.900
39000	30*40	3690	0.230	2.700
39000	35*30	3690	0.220	2.500
47000	30*45	4170	0.200	2.300
47000	35*35	4170	0.180	2.100
56000	30*50	4680	0.160	2.000
56000	35*40	4680	0.140	1.800
定格电压 Rated voltage 16V(1C)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size ΦDxL (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
6800	22*25	1570	0.980	4.300
10000	22*30	1970	0.950	4.300
10000	25*25	1970	0.900	4.300
12000	22*35	2220	0.800	4.300
12000	25*30	2240	0.700	4.300
12000	30*25	2450	0.600	4.300
15000	22*40	2550	0.550	4.100
15000	25*35	2580	0.450	3.900
15000	30*25	2580	0.430	3.700
18000	22*45	2870	0.410	3.300
18000	25*40	2920	0.400	3.200
18000	30*30	2920	0.380	3.100
18000	35*25	2920	0.330	3.900
22000	25*45	3320	0.290	3.300
22000	30*35	3320	0.260	3.100
22000	35*25	3320	0.250	2.900
27000	25*50	3780	0.230	2.700
27000	30*40	3780	0.220	2.500
27000	35*30	3780	0.200	2.300
33000	30*45	4300	0.180	2.100
33000	35*35	4300	0.160	2.000
39000	30*50	4810	0.140	1.800
39000	35*40	4810	0.120	1.600
47000	35*45	5430	0.100	1.500

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## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 25V(IE)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
4700	22*25	1500	0.95	4.30
5600	22*25	1630	0.900	4.300
6800	22*30	1860	0.800	4.300
6800	25*25	1870	0.700	4.300
8200	22*35	2110	0.600	4.300
8200	25*30	2120	0.550	4.100
8200	30*25	2150	0.450	3.900
10000	22*40	2390	0.430	3.700
10000	25*35	2420	0.410	3.300
10000	30*25	2420	0.400	3.200
12000	22*45	2690	0.380	3.100
12000	25*40	2740	0.330	3.900
12000	30*30	2740	0.290	3.300
12000	35*25	2740	0.260	3.100
15000	25*45	3150	0.250	2.900
15000	30*35	3150	0.230	2.700
15000	35*30	3270	0.220	2.500
18000	25*50	3540	0.200	2.300
18000	30*40	3540	0.180	2.100
18000	35*30	3580	0.160	2.000
22000	30*45	4040	0.140	1.800
22000	35*35	4040	0.120	1.600
27000	35*45	4730	0.100	1.500
33000	35*50	5390	0.080	1.300
定格电压 Rated voltage 35V(IV)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
3300	22*25	1400	0.900	4.300
3900	22*30	1570	0.800	4.300
4700	22*30	1800	0.700	4.300
4700	25*25	1950	0.600	4.300
5600	22*35	1960	0.550	4.100
5600	25*30	1990	0.450	3.900
5600	30*25	2200	0.430	3.700
6800	22*40	2230	0.410	3.300
6800	25*35	2230	0.400	3.200
6800	30*25	2550	0.380	3.100
8200	22*50	2550	0.330	3.900
8200	25*40	2750	0.290	3.300
8200	30*30	2750	0.260	3.100
8200	35*25	2870	0.250	2.900
10000	25*45	2900	0.230	2.700
10000	30*35	2910	0.220	2.500
10000	35*30	3240	0.200	2.300
12000	25*50	3240	0.180	2.100
12000	30*40	3240	0.160	2.000
12000	35*30	3720	0.140	1.800
15000	25*40	3720	0.120	1.600
15000	35*35	4370	0.100	1.500
18000	35*40	4920	0.080	1.300
22000	35*50	5390	0.075	1.200

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## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 50V(1H)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
1800	22*25	1330	0.800	4.300
2700	22*30	1690	0.700	4.300
2700	25*25	1700	0.600	4.300
3300	22*35	1930	0.550	4.100
3300	25*30	1930	0.450	3.900
3900	22*40	2160	0.430	3.700
3900	25*35	2180	0.410	3.300
3900	30*25	2180	0.400	3.200
4700	22*45	2430	0.380	3.100
4700	25*35	2430	0.330	3.900
4700	30*30	2430	0.290	3.300
5600	22*50	2750	0.250	2.900
5600	25*40	2750	0.230	2.700
5600	30*25	2760	0.220	2.500
5600	35*25	2760	0.200	2.300
6800	25*50	3300	0.180	2.100
6800	30*40	3300	0.160	2.000
6800	35*30	3300	0.140	1.800
8200	30*45	3600	0.120	1.600
8200	35*35	3600	0.100	1.500
10000	30*50	4040	0.080	1.300
10000	35*40	4040	0.075	1.200
12000	35*45	4500	0.065	1.100
15000	35*40	4900	0.060	1.000
22000	35*50	5960	0.050	0.900
定格电压 Rated voltage 63V(1J)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
1200	22*25	1190	0.700	4.300
1500	22*25	1330	0.600	4.300
1800	22*30	1510	0.550	4.100
1800	25*25	1520	0.450	3.900
2200	22*35	1730	0.430	3.700
2200	25*30	1740	0.410	3.300
2700	22*40	1970	0.400	3.200
2700	25*35	1990	0.380	3.100
2700	30*25	1990	0.330	3.900
3300	22*50	2290	0.290	3.300
3300	25*40	2290	0.260	3.100
3300	30*30	2290	0.250	2.900
3300	35*25	2290	0.230	2.700
3900	25*45	2540	0.220	2.500
3900	30*35	2550	0.200	2.300
3900	35*25	2550	0.180	2.100
4700	25*50	2860	0.160	2.000
4700	30*40	2860	0.140	1.800
4700	35*30	2860	0.120	1.600
5600	30*45	3200	0.100	1.500
5600	35*35	3200	0.080	1.300
6800	30*35	3650	0.075	1.200
6800	30*50	3650	0.065	1.100
8200	35*45	3900	0.060	1.000
10000	35*50	4400	0.055	0.900
15000	35*50	5100	0.045	0.080



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## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 80V(1K)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
1800	30*25	1800	0.600	4.300
2200	22*45	2040	0.550	4.100
2200	25*35	2040	0.450	3.900
2200	30*30	2050	0.430	3.700
2200	35*25	2070	0.410	3.300
2700	25*45	2360	0.400	3.200
2700	30*35	2360	0.380	3.100
2700	35*25	2360	0.330	3.900
3300	25*50	2680	0.290	3.300
3300	30*40	2680	0.260	3.100
3300	35*30	2680	0.250	2.900
3900	30*45	3000	0.230	2.700
3900	35*35	3000	0.220	2.500
4700	30*50	3390	0.200	2.300
4700	35*40	3390	0.180	2.100
5600	35*45	3800	0.160	2.000
6800	35*45	3900	0.140	1.800
8200	35*50	4100	0.120	1.600
10000	35*50	4300	0.100	1.500
定格电压 Rated voltage 100V(2A)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
1000	22*35	1500	0.550	4.100
1500	22*45	1940	0.450	3.900
1800	25*45	2230	0.430	3.700
2200	30*40	2530	0.410	3.300
2200	35*30	2700	0.400	3.200
2700	30*45	2880	0.380	3.100
2700	35*35	2800	0.330	3.900
3300	30*40	2950	0.290	3.300
3300	35*35	3200	0.260	3.100
4700	30*50	3500	0.250	2.900
4700	35*45	3600	0.230	2.700
5600	35*50	3950	0.220	2.500
6800	35*55	4200	0.200	2.300
8200	35*60	4300	0.180	2.100
10000	35*60	4500	0.160	2.000
定格电压 Rated voltage 160V(2C)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
330	22*25	1200	1.350	4.30
390	25*25	1300	1.100	4.300
470	22*30	1550	1.030	4.300
470	25*25	1550	0.980	4.300
560	25*30	1670	0.950	4.300
560	30*25	1670	0.920	4.100
680	25*30	1820	0.880	3.900
680	30*25	1820	0.820	3.700
820	25*35	2040	0.770	3.300
820	30*30	2040	0.720	3.200
1000	25*40	2250	0.660	3.100
1000	30*35	2250	0.620	3.900
1000	35*30	2250	0.570	3.300
1200	30*40	2490	0.550	3.100
1500	35*35	2970	0.520	2.900
1800	35*40	3320	0.480	2.700
2200	35*45	3860	0.450	2.650
2200	35*50	3860	0.400	2.550
2700	35*50	4000	0.350	2.400
3300	35*60	4630	0.230	2.200

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## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 200V(2D)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
330	25*25	1350	0.950	4.300
390	25*25	1450	0.920	4.100
470	25*30	1650	0.880	3.900
470	35*20	1650	0.820	3.700
560	25*30	1750	0.770	3.300
560	30*25	1820	0.720	3.200
680	25*30	1870	0.660	3.100
680	30*30	1950	0.660	3.100
680	35*25	2010	0.620	3.900
820	35*25	2200	0.570	3.300
820	35*30	2350	0.550	3.100
1000	25*45	2450	0.520	2.900
1000	30*40	2550	0.480	2.700
1000	35*30	2550	0.480	2.700
1000	35*35	2580	0.450	2.650
1200	35*40	2700	0.400	2.550
1500	35*40	3080	0.520	2.400
1800	35*50	3500	0.480	2.200
2200	35*55	3850	0.450	2.000
2200	35*60	3950	0.400	1.850
定格电压 Rated voltage 250V(2E)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
220	22*25	1350	0.880	3.900
220	25*25	1450	0.820	3.700
330	25*30	1650	0.770	3.300
330	30*25	1650	0.720	3.200
390	25*35	1750	0.660	3.100
470	25*35	1820	0.620	3.900
470	30*30	1950	0.570	3.300
560	30*30	2010	0.550	3.100
560	35*25	2200	0.520	2.900
680	25*40	2300	0.480	2.700
680	30*35	2350	0.480	2.700
680	35*30	2450	0.450	2.650
820	30*40	2550	0.400	2.550
820	35*35	2580	0.520	2.400
1000	35*40	2700	0.480	2.200
1000	35*45	2900	0.450	2.000
1000	35*50	3100	0.400	1.850
1200	35*45	3200	0.350	1.700
1500	35*50	3300	0.330	1.680
1800	35*60	3450	0.280	1.660
2200	35*60	3950	0.260	1.600
2200	35*65	3980	0.220	1.580
定格电压 Rated voltage 350V(2V)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
220	25*35	1650	0.770	3.300
330	30*35	1820	0.620	3.900
470	30*40	2010	0.550	3.100
560	35*40	2350	0.480	2.700
680	35*40	2550	0.400	2.550
820	35*50	2700	0.480	2.200
1000	35*50	3200	0.350	1.700

# STH Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 400V(2G)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
82	22*25	1050	0.770	3.300
100	22*25	1150	0.720	3.200
100	25*25	1150	0.660	3.100
120	25*25	1280	0.620	3.900
120	22*30	1280	0.570	3.300
150	22*40	1350	0.550	3.100
150	25*25	1350	0.550	3.100
180	25*30	1350	0.520	2.900
220	25*40	1460	0.480	2.700
220	30*30	1460	0.450	2.650
270	30*30	1500	0.400	2.550
330	30*30	1680	0.520	2.400
330	35*30	1680	0.480	2.200
390	35*30	1720	0.450	2.000
470	35*35	1850	0.400	1.850
470	35*40	1850	0.350	1.700
560	35*40	2250	0.330	1.680
560	35*45	2250	0.280	1.660
560	35*50	2250	0.260	1.600
680	35*45	2400	0.220	1.580
680	35*50	2400	0.200	1.700
680	35*55	2400	0.180	1.680
820	35*50	2550	0.170	1.660
820	30*55	2700	0.170	1.660
820	35*55	2550	0.160	1.600
1000	35*60	3300	0.150	1.580

# SHA Series

## 特征/FEATURES

- Withstanding 3000 hours application of rated ripple current at 105°C
- high ripple current, Long life
- Compliant to the RoHS directive
- 105°C印加纹波电流寿命保证3000小时
- 电源以及音响，使用时特性优良
- RoHs指令对策品

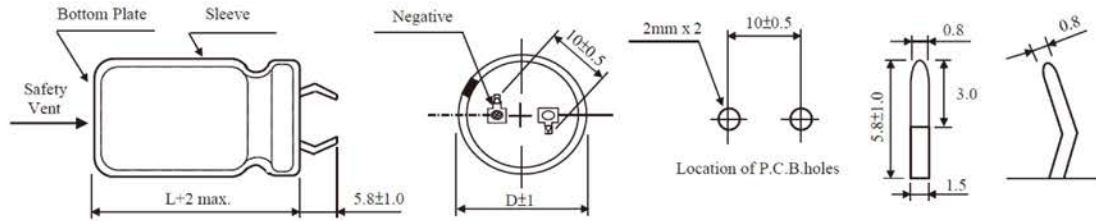


## 规格表/SPECIFICATIONS

项目 Items	特征 Characteristics								
温度范围 Category Temperat Range	-40°C ~ +105°C			-40°C ~ +105°C			-25°C ~ +105°C		
规格电压范围 Rated voltage range	6.3-100V.DC			160-250V.DC			400-450V.DC		
静电容量允许容差 Capacitance Tolerance	± 20% (20°C, 120Hz)								
漏电流 Leakage Current(MAX)	6.3-100V.DC				160-450V.DC				
	I=0.01CV或者3 (µA) 值以下定格电压印加2分钟后 I=0.01CVor3 (µA) whichever is greater after 2 minutes application of rated voltage				I=0.02CV值以下定格电压印加3分钟后 I=0.02CVwhichever is greater after 3 minutes application of rated voltage				
	I=漏电流 (µA)		C=定格静电容量 (µF)		V=定格电压 (V)				
	Leakage Current		Rated Capacitance		Rated Voltage				
损失角正接 (tan δ) Dissipation Factor(MAX)	定格电压 (V)	6.3	10	16	25	35	50	63	20°C
	Rated Voltage	0.22	0.2	0.16	0.14	0.12	0.1	0.09	
	定格电压 (V)	80	100	160	200	250	400	450	120Hz
	Rated Voltage	0.09	0.08	0.15	0.15	0.15	0.15	0.15	
容量超过1000 µF; 每超过1000 µF, 损失角增加0.02 Add 0.02 per 1,000 µF for more than 1,000 µF items.									
高温负荷特性 High Temp Load Test	105°C, 在规定的时间内, 印加定格电压与纹波电流后, 满足下列条件 After life test with ripple current at conditions stated in the table below, the capacitors shall meet the following requirements. 105°C施加额定电压3000小时后满足下列条件 After 3000 hours, application of DC rated working voltage at + 105°C, capacitor shall meet the following limits.								
	静电容量变化率 Capacitance Change	初期值的 ± 25% Within ± 25%							
	损失角正接 (tan δ) Dissipation Factor	规格值的200%以内 Not more than the specified value							
	漏电流 Leakage Current(MAX)	规格值以下 Not more than the specified value							
低温特性 (抵抗比) Low Temperature Stability impedance Ratio MAX	规格电压 (V) Rated Voltage	6.3-16V	25-50V	63-100V	160-250V	400V	450V		
	Z(-25°C)/Z(20°C)	4	5	6	5	6	8		
	Z(-40°C)/Z(20°C)	8	9	10	9	10	12		
高温无负荷特性 High Temp Non- Load Test	After storage for 1000 hours at 105°C with no voltage applied, voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made, at which time requirements specified in the table "High Temperature Loading" can be met. 在105°C的条件下不加电压放置1000个小时, 按照JIS-C-5102中4-4的标准进行处理, 特性满足高温负荷特性								

# SHA Series

## 寸法图DIMENSIONS



★  $\Phi 35 \text{ mm}$ :  $3.5 \pm 0.5 \text{ mm}$  The standard design has no plastic disc 标准的作业没有底座

### ▼ MULTIPLIER FOR RIPPLE CURRENT 纹波电流修正系数

(1) Frequency coefficient 频率系数

Freq.(Hz)	120	1K	10K	100K	(2) Temperature coefficient				
Cap( $\mu \text{ F}$ )					Ambient Temperature( $^{\circ}\text{C}$ ) Coefficient	65	75	85	105
330 ~ 680	1.00	1.30	1.41	1.43		1.10	1.15	1.20	1.00
820 ~ 82000	1.00	1.20	1.25	1.30					

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 6.3V(0J)					
定格静容量( $\mu \text{ F}$ ) Rated Capacitance	外形尺寸 Size $\Phi \text{ D} \times \text{L}$ (mm)	定格电流 Rated ripple current m A r.m.s/105 $^{\circ}\text{C}$ ,120KHz	阻抗值 Impedance /100KHz/( $\Omega$ )		
			20 $^{\circ}\text{C}$	-10 $^{\circ}\text{C}$	
12000	22*25	1540	1.050	4.600	
15000	22*25	1720	1.000	4.300	
18000	22*30	1950	0.980	4.300	
18000	25*25	1960	0.950	4.300	
22000	22*35	2230	0.900	4.300	
22000	25*30	2250	0.800	4.300	
22000	30*25	2280	0.700	4.300	
27000	22*40	2540	0.600	4.300	
27000	25*35	2570	0.550	4.100	
27000	30*25	2570	0.450	3.900	
33000	22*45	2880	0.430	3.700	
33000	25*40	2930	0.410	3.300	
33000	30*30	2930	0.400	3.200	
33000	35*25	2930	0.380	3.100	
39000	25*40	3180	0.330	3.900	
39000	30*25	3260	0.290	3.300	
39000	35*30	3400	0.260	3.100	
47000	25*50	3690	0.250	2.900	
47000	30*40	3690	0.230	2.700	
47000	35*30	3730	0.220	2.500	
56000	30*45	4160	0.200	2.300	
56000	35*35	4160	0.180	2.100	
68000	30*50	4710	0.160	2.000	
68000	35*40	4710	0.140	1.800	
82000	35*45	5320	0.120	1.600	

# SHA Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 10V(1A)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
10000	22*25	1550	1.000	4.300
12000	22*30	1770	0.980	4.300
15000	22*30	1970	0.950	4.300
15000	25*25	1980	0.900	4.300
18000	22*35	2210	0.800	4.300
18000	25*30	2230	0.700	4.300
22000	22*40	2550	0.600	4.300
22000	25*35	2550	0.550	4.100
22000	30*25	2550	0.450	3.900
27000	22*50	2930	0.430	3.700
27000	25*40	2940	0.410	3.300
27000	30*30	2940	0.400	3.200
27000	35*25	2940	0.380	3.100
33000	25*45	3300	0.330	3.900
33000	30*35	3310	0.290	3.300
33000	35*30	3360	0.260	3.100
39000	25*50	3680	0.250	2.900
39000	30*40	3690	0.230	2.700
39000	35*30	3690	0.220	2.500
47000	30*45	4170	0.200	2.300
47000	35*35	4170	0.180	2.100
56000	30*50	4680	0.160	2.000
56000	35*40	4680	0.140	1.800
定格电压 Rated voltage 16V(1C)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
6800	22*25	1570	0.980	4.300
10000	22*30	1970	0.950	4.300
10000	25*25	1970	0.900	4.300
12000	22*35	2220	0.800	4.300
12000	25*30	2240	0.700	4.300
12000	30*25	2450	0.600	4.300
15000	22*40	2550	0.550	4.100
15000	25*35	2580	0.450	3.900
15000	30*25	2580	0.430	3.700
18000	22*45	2870	0.410	3.300
18000	25*40	2920	0.400	3.200
18000	30*30	2920	0.380	3.100
18000	35*25	2920	0.330	3.900
22000	25*45	3320	0.290	3.300
22000	30*35	3320	0.260	3.100
22000	35*25	3320	0.250	2.900
27000	25*50	3780	0.230	2.700
27000	30*40	3780	0.220	2.500
27000	35*30	3780	0.200	2.300
33000	30*45	4300	0.180	2.100
33000	35*35	4300	0.160	2.000
39000	30*50	4810	0.140	1.800
39000	35*40	4810	0.120	1.600
47000	35*45	5430	0.100	1.500

# SHA Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 25V(1E)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
4700	22*25	1500	0.95	4.30
5600	22*25	1630	0.900	4.300
6800	22*30	1860	0.800	4.300
6800	25*25	1870	0.700	4.300
8200	22*35	2110	0.600	4.300
8200	25*30	2120	0.550	4.100
8200	30*25	2150	0.450	3.900
10000	22*40	2390	0.430	3.700
10000	25*35	2420	0.410	3.300
10000	30*25	2420	0.400	3.200
12000	22*45	2690	0.380	3.100
12000	25*40	2740	0.330	3.900
12000	30*30	2740	0.290	3.300
12000	35*25	2740	0.260	3.100
15000	25*45	3150	0.250	2.900
15000	30*35	3150	0.230	2.700
15000	35*30	3270	0.220	2.500
18000	25*50	3540	0.200	2.300
18000	30*40	3540	0.180	2.100
18000	35*30	3580	0.160	2.000
22000	30*45	4040	0.140	1.800
22000	35*35	4040	0.120	1.600
27000	35*45	4730	0.100	1.500
33000	35*50	5390	0.080	1.300
定格电压 Rated voltage 35V(1V)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
3300	22*25	1400	0.900	4.300
3900	22*30	1570	0.800	4.300
4700	22*30	1800	0.700	4.300
4700	25*25	1950	0.600	4.300
5600	22*35	1960	0.550	4.100
5600	25*30	1990	0.450	3.900
5600	30*25	2200	0.430	3.700
6800	22*40	2230	0.410	3.300
6800	25*35	2230	0.400	3.200
6800	30*25	2550	0.380	3.100
8200	22*50	2550	0.330	3.900
8200	25*40	2750	0.290	3.300
8200	30*30	2750	0.260	3.100
8200	35*25	2870	0.250	2.900
10000	25*45	2900	0.230	2.700
10000	30*35	2910	0.220	2.500
10000	35*30	3240	0.200	2.300
12000	25*50	3240	0.180	2.100
12000	30*40	3240	0.160	2.000
12000	35*30	3720	0.140	1.800
15000	30*45	3720	0.120	1.600
15000	35*35	4370	0.100	1.500
18000	35*40	4920	0.080	1.300
22000	35*50	5390	0.075	1.200

# SHA Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 50V(1H)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
1800	22*25	1330	0.800	4.300
2700	22*30	1690	0.700	4.300
2700	25*25	1700	0.600	4.300
3300	22*35	1930	0.550	4.100
3300	25*30	1930	0.450	3.900
3900	22*40	2160	0.430	3.700
3900	25*35	2180	0.410	3.300
3900	30*25	2180	0.400	3.200
4700	22*45	2430	0.380	3.100
4700	25*35	2430	0.330	3.900
4700	30*30	2430	0.290	3.300
4700	35*25	2480	0.260	3.100
5600	22*50	2750	0.250	2.900
5600	25*40	2750	0.230	2.700
5600	30*25	2760	0.220	2.500
5600	35*25	2760	0.200	2.300
6800	25*50	3300	0.180	2.100
6800	30*40	3300	0.160	2.000
6800	35*30	3300	0.140	1.800
8200	30*45	3600	0.120	1.600
8200	35*35	3600	0.100	1.500
10000	30*50	4040	0.080	1.300
10000	35*40	4040	0.075	1.200
12000	35*45	4500	0.065	1.100
定格电压 Rated voltage 63V(1J)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
1200	22*25	1190	0.700	4.300
1500	22*25	1330	0.600	4.300
1800	22*30	1510	0.550	4.100
1800	25*25	1520	0.450	3.900
2200	22*35	1730	0.430	3.700
2200	25*30	1740	0.410	3.300
2700	22*40	1970	0.400	3.200
2700	25*35	1990	0.380	3.100
2700	30*25	1990	0.330	3.900
3300	22*50	2290	0.290	3.300
3300	25*40	2290	0.260	3.100
3300	30*30	2290	0.250	2.900
3300	35*25	2290	0.230	2.700
3900	25*45	2540	0.220	2.500
3900	30*35	2550	0.200	2.300
3900	35*25	2550	0.180	2.100
4700	25*50	2860	0.160	2.000
4700	30*40	2860	0.140	1.800
4700	35*30	2860	0.120	1.600
5600	30*45	3200	0.100	1.500
5600	35*35	3200	0.080	1.300
6800	30*35	3650	0.075	1.200
6800	30*50	3650	0.065	1.100
8200	35*45	3900	0.060	1.000
10000	35*50	4400	0.055	0.900



# SHA Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 80V(1K)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size ΦDxL (mm)	定格电流 Rated ripple current m A r.m.s/105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
1800	30*25	1800	0.600	4.300
2200	22*45	2040	0.550	4.100
2200	25*35	2040	0.450	3.900
2200	30*30	2050	0.430	3.700
2200	35*25	2070	0.410	3.300
2700	25*45	2360	0.400	3.200
2700	30*35	2360	0.380	3.100
2700	35*25	2360	0.330	3.900
3300	25*50	2680	0.290	3.300
3300	30*40	2680	0.260	3.100
3300	35*30	2680	0.250	2.900
3900	30*45	3000	0.230	2.700
3900	35*35	3000	0.220	2.500
4700	30*50	3390	0.200	2.300
4700	35*40	3390	0.180	2.100
5600	35*45	3800	0.160	2.000
6800	35*45	3900	0.140	1.800
8200	35*50	4100	0.120	1.600
10000	35*50	4300	0.100	1.500
定格电压 Rated voltage 100V(2A)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size ΦDxL (mm)	定格电流 Rated ripple current m A r.m.s/105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
1000	22*35	1500	0.550	4.100
1500	22*45	1940	0.450	3.900
1800	25*45	2230	0.430	3.700
2200	30*40	2530	0.410	3.300
2200	35*30	2700	0.400	3.200
2700	30*45	2880	0.380	3.100
2700	35*35	2800	0.330	3.900
3300	30*40	2950	0.290	3.300
3300	35*35	3200	0.260	3.100
4700	30*50	3500	0.250	2.900
4700	35*45	3600	0.230	2.700
5600	35*50	3950	0.220	2.500
6800	35*55	4200	0.200	2.300
8200	35*60	4300	0.180	2.100
10000	35*60	4500	0.160	2.000

# SHA Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 160V(2C)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
330	22*25	1200	1.350	4.30
390	25*25	1300	1.100	4.300
470	22*30	1550	1.030	4.300
470	25*25	1550	0.980	4.300
560	25*30	1670	0.950	4.300
560	30*25	1670	0.920	4.100
680	25*30	1820	0.880	3.900
680	30*25	1820	0.820	3.700
820	25*35	2040	0.770	3.300
820	30*30	2040	0.720	3.200
1000	25*40	2250	0.660	3.100
1000	30*35	2250	0.620	3.900
1000	35*30	2250	0.570	3.300
1200	30*40	2490	0.550	3.100
1500	35*35	2970	0.520	2.900
1800	35*40	3320	0.480	2.700
2200	35*45	3860	0.450	2.650
2200	35*50	3860	0.400	2.550
2700	35*50	4000	0.350	2.400
3300	35*60	4630	0.230	2.200
定格电压 Rated voltage 200V(2D)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
330	25*25	1350	0.950	4.300
390	25*25	1450	0.920	4.100
470	25*30	1650	0.880	3.900
470	35*20	1650	0.820	3.700
560	25*30	1750	0.770	3.300
560	30*25	1820	0.720	3.200
680	30*30	1950	0.660	3.100
680	35*25	2010	0.620	3.900
820	35*25	2200	0.570	3.300
820	35*30	2350	0.550	3.100
1000	22*50	2450	0.520	2.900
1000	25*45	2450	0.520	2.900
1000	35*30	2550	0.480	2.700
1000	35*35	2580	0.450	2.650
1200	35*40	2700	0.400	2.550
1500	35*40	3080	0.520	2.400
1800	35*50	3500	0.480	2.200
2200	35*55	3850	0.450	2.000
2200	35*60	3950	0.400	1.850

# SHA Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 250V(2E)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
220	22*25	1350	0.880	3.900
220	25*25	1450	0.820	3.700
330	25*30	1650	0.770	3.300
330	30*25	1650	0.720	3.200
390	25*35	1750	0.660	3.100
470	25*35	1820	0.620	3.900
470	30*30	1950	0.570	3.300
560	30*30	2010	0.550	3.100
560	35*25	2200	0.520	2.900
680	30*35	2350	0.480	2.700
680	35*30	2450	0.450	2.650
820	30*40	2550	0.400	2.550
820	35*35	2580	0.520	2.400
1000	35*40	2700	0.480	2.200
1000	35*45	2900	0.450	2.000
1000	35*50	3100	0.400	1.850
1200	35*45	3200	0.350	1.700
1500	35*50	3300	0.330	1.680
1800	35*60	3450	0.280	1.660
2200	35*55	3100	0.390	1.600
2200	35*60	3500	0.260	1.600
2200	35*65	3980	0.220	1.580
定格电压 Rated voltage 400V(2G)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
82	22*25	1050	0.770	3.300
100	22*25	1150	0.720	3.200
100	25*25	1150	0.660	3.100
120	25*25	1280	0.620	3.900
120	22*30	1280	0.570	3.300
150	25*25	1350	0.550	3.100
180	25*30	1350	0.520	2.900
180	25*30	1350	0.520	2.900
180	30*30	1350	0.520	2.900
220	22*40	1460	0.480	2.700
220	25*40	1460	0.480	2.700
220	22*45	1460	0.480	2.700
220	30*30	1460	0.450	2.650
270	22*50	1500	0.400	2.550
270	30*30	1500	0.400	2.550
330	30*30	1680	0.520	2.400
330	35*30	1680	0.480	2.200
390	35*30	1720	0.450	2.000
470	25*50	1850	0.450	2.000
470	35*30	1850	0.400	1.850
470	35*35	1850	0.400	1.850
470	35*40	1850	0.350	1.700
560	35*40	2250	0.330	1.680
560	35*45	2250	0.280	1.660
560	35*50	2250	0.260	1.600
680	35*45	2400	0.220	1.580
680	35*50	2400	0.200	1.700
680	35*55	2400	0.180	1.680
820	35*50	2550	0.170	1.660
820	30*55	2700	0.170	1.660
820	35*55	2550	0.160	1.600
1000	35*60	3300	0.150	1.580

# SHA Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 450V(2W)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
68	22*25	1050	1.100	4.500
82	25*25	1150	0.660	3.100
100	25*25	1280	0.620	3.900
100	25*30	1280	0.570	3.300
120	22*36	1300	0.570	3.300
120	25*30	1350	0.550	3.100
120	30*25	1350	0.520	2.900
150	30*25	1460	0.480	2.700
180	30*30	1460	0.450	2.650
220	30*35	1500	0.400	2.550
220	35*30	1680	0.520	2.400
270	25*45	1680	0.480	2.200
270	30*35	1680	0.480	2.200
330	25*50	1700	0.460	2.100
330	30*40	1720	0.450	2.000
330	35*35	1850	0.400	1.850
390	35*35	1850	0.350	1.700
470	35*50	2250	0.280	1.660
470	35*40	2250	0.330	1.680
470	35*45	2250	0.280	1.660
560	35*50	2250	0.260	1.600
560	35*55	2400	0.220	1.580
560	35*60	2400	0.200	1.700
680	35*55	2400	0.180	1.680
680	35*60	2550	0.170	1.660
820	35*60	2650	0.160	1.600
1000	35*66	3300	0.150	1.580

# SMO Series

## 特征/FEATURES

- Withstanding 3000 hours application of rated ripple current at 105°C
- High ripple current, Long life and Ultra miniaturized
- Compliant to the RoHS directive
- 小型化、长寿命、高纹波电流、低阻抗品
- 105°C 3000时间保证品
- RoHs指令对策品

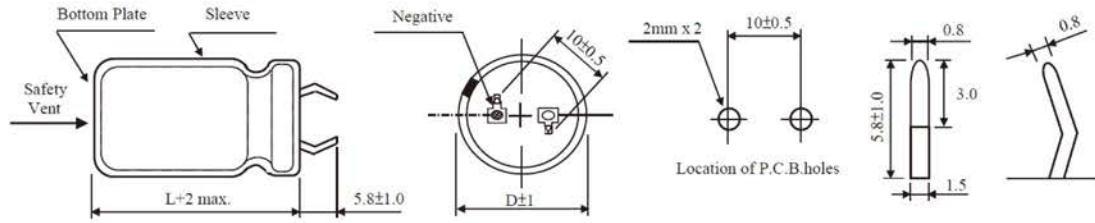


## 规格表/SPECIFICATIONS

项目 Items	特征 Characteristics				
温度范围 Category Temperat Range	-40°C ~ +105°C				
规格电压范围 Rated voltage range	200-450V.DC				
静电容量允许容差 Capacitance Tolerance	± 20% (20°C, 120Hz)				
漏电流 Leakage Current(MAX)	200-450V.DC				
	I=0.02CV以下 定格电压印加3分钟后 I=0.02CV whichever is greater after 3 minutes application of rated voltage				
	I=漏电流 (µ A)		C=定格静电容量 (µ F)		V=定格电压 (V)
	Leakage Current		Ratd Capacitance		Rated Voltage
损失角正接 (tan δ) Dissipation Factor(MAX)	定格电压 (V)	200	250	400	450
	Rated Voltage	0.18	0.15	0.20	0.20
容量超过1000 µ F; 每超过1000 µ F, 损失角增加0.02 Add 0.02 per 1,000 µ F for more than 1,000 µ F items.					
高温负荷特性 High Temp Load Test	105°C, 在规定的时间内, 印加定格电压与纹波电流后, 满足下列条件 After life test with ripple current at conditions stated in the table below, the capacitors shall meet the following requirements.				
	105°C 施加额定电压3000小时后满足下列条件 After 3000 hours, application of DC rated working voltage at +105°C, capacitor shall meet the following limits.				
	静电容量变化率 Capacitance Change	初期值的 ± 25% Within ± 25%			
	损失角正接 (tan δ) Dissipation Factor	规格值的200%以内 Not more than the specified value			
漏电流 Leakage Current(MAX)	规格值以下 Not more than the specified value				
低温特性 (阻抗比) Low Temperature Stability impedance Ratio MAX	规格电压 (V) Rated Voltage	200V	250V	400V	450V
	Z(-25°C)/Z(20°C)	4	5	6	8
	Z(-40°C)/Z(20°C)	8	9	10	12
高温无负荷特性 High Temp Non-Load Test	After storage for 1000 hours at 105°C with no voltage applied, voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made, at which time requirements specified in the table "High Temperature Loading" can be met. 在105°C的条件下不加电压放置1000个小时, 按照JIS-C-5102中4-4的标准进行处理, 特性满足高温负荷特性				

# SMO Series

## 寸法图DIMENSIONS



★  $\Phi 35\text{mm}$ :  $3.5 \pm 0.5\text{mm}$  The standard design has no plastic disc 标准的作业没有底座

### ▼ MULTIPLIER FOR RIPPLE CURRENT 纹波电流修正系数

#### (1) Frequency coefficient 频率系数

Freq.(Hz)	120	1K	10K	100K	(2) Temperature coefficient				
Cap( $\mu\text{F}$ )					Ambient Temperature( $^{\circ}\text{C}$ ) Coefficient	65	75	85	105
330 ~ 680	1.00	1.30	1.41	1.43		1.10	1.15	1.20	1.00
820 ~ 22000	1.00	1.20	1.25	1.30					

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 200V(2D)					
定格静容量( $\mu\text{F}$ ) Rated Capacitance	外形尺寸 Size $\Phi\text{D}\times\text{L}$ (mm)	定格电流 Rated ripple current m A r.m.s/105 $^{\circ}\text{C}$ ,120KHz	阻抗值 Impedance /100KHz/( $\Omega$ )		
			20 $^{\circ}\text{C}$	-10 $^{\circ}\text{C}$	
220	22*21	1100	0.690	4.900	
330	25*21	1250	0.620	5.200	
470	25*25	1550	0.430	4.900	
560	25*30	1680	0.400	4.600	
560	30*25	1750	0.380	4.200	
680	30*30	1780	0.350	3.300	
680	35*21	1850	0.330	3.300	
820	30*30	2100	0.310	3.000	
820	35*25	2100	0.280	2.200	
1000	35*25	2300	0.260	2.100	
1000	35*30	2300	0.240	2.000	
1200	35*30	2550	0.220	1.800	
1500	35*35	2650	0.200	1.700	
1800	35*40	2800	0.180	1.500	
2200	35*45	3100	0.160	1.500	
3300	35*60	3600	0.140	1.400	
定格电压 Rated voltage 250V(2E)					
定格静容量( $\mu\text{F}$ ) Rated Capacitance	外形尺寸 Size $\Phi\text{D}\times\text{L}$ (mm)	定格电流 Rated ripple current m A r.m.s/105 $^{\circ}\text{C}$ ,120KHz	阻抗值 Impedance /100KHz/( $\Omega$ )		
			20 $^{\circ}\text{C}$	-10 $^{\circ}\text{C}$	
220	22*21	1250	0.620	5.200	
330	25*25	1550	0.430	4.900	
470	30*25	1680	0.400	4.600	
470	35*21	1750	0.380	4.200	
560	30*30	1780	0.350	3.300	
560	35*25	1850	0.330	3.300	
680	30*25	2100	0.310	3.000	
680	35*21	2100	0.280	2.200	
820	35*30	2300	0.260	2.100	
820	35*35	2300	0.240	2.000	
1000	35*35	2550	0.220	1.800	
1000	35*40	2650	0.200	1.700	
1200	35*40	2800	0.180	1.500	
1500	35*45	3100	0.160	1.500	
1800	35*50	3300	0.140	1.400	
2200	35*60	3500	0.120	1.200	
2200	35*65	3500	0.120	1.200	

# SMO Series

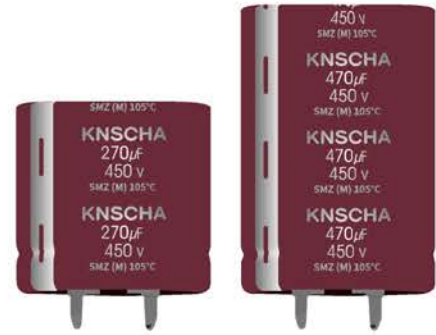
## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 400V(2G)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size ΦDxL (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
100	22*22	1020	1.75	5.90
100	22*25	1020	1.50	4.90
120	22*25	1050	1.45	4.90
150	25*25	1100	1.40	4.80
180	25*25	1150	1.38	4.90
220	25*25	1300	1.25	4.80
220	30*22	1350	1.20	4.80
220	30*25	1450	1.15	4.80
270	22*40	1750	1.10	4.60
270	25*30	1750	1.10	4.60
270	30*25	1850	1.10	4.60
270	35*22	1880	1.05	4.60
330	25*30	2000	1.00	4.30
330	30*25	2150	0.98	4.30
330	30*30	2200	0.95	4.30
390	30*30	2300	0.90	4.30
390	35*22	2350	0.80	4.30
470	35*30	2500	0.70	4.30
470	35*35	2550	0.60	4.30
560	35*35	2800	0.55	4.10
680	35*35	2950	0.45	3.90
820	35*40	3050	0.40	3.90
1000	35*50	3300	0.95	4.10
定格电压 Rated voltage 450V(2W)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size ΦDxL (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
82	25*25	1050	1.50	4.90
100	25*25	1130	1.45	4.90
120	25*25	1180	1.40	4.80
150	25*25	1250	1.38	4.90
180	25*30	1300	1.25	4.80
220	25*30	1450	1.05	4.80
220	25*40	1480	0.98	4.80
220	30*25	1480	0.98	4.80
220	35*22	1500	0.95	4.60
270	25*40	1650	0.90	4.60
270	35*22	1700	0.85	4.60
270	35*30	1730	0.80	4.30
330	35*30	1900	0.75	4.30
330	30*30	1950	0.70	4.30
330	35*25	2000	0.65	4.30
330	30*35	2150	0.60	4.30
470	35*30	2600	0.55	4.30
470	35*35	2700	0.45	4.30
560	35*35	2950	0.40	4.10
680	35*40	3050	0.38	3.90
820	35*45	3200	0.33	3.90
1000	35*55	3350	0.29	3.30

# SMZ Series

## 特征/FEATURES

- Withstanding 5000 hours application of rated ripple current at 105°C
- High ripple current, Long life and High reliability
- Compliant to the RoHS directive
- 105°C印加纹波电流寿命保证5000小时
- 高纹波、长寿命，适合大功率电源、路灯照明、驱动器、变频器
- RoHs指令对策品



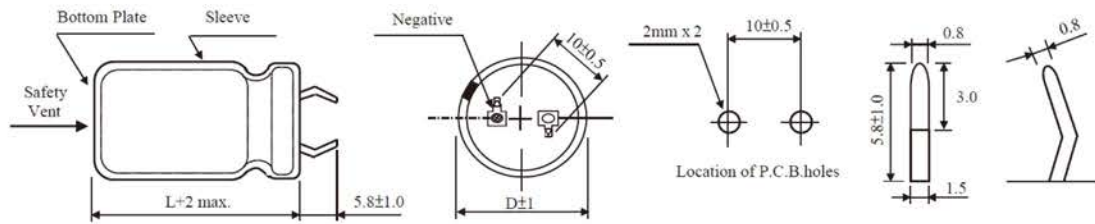
## 规格表/SPECIFICATIONS

项目 Items	特征 Characteristics								
温度范围 Category Temperat Range	-40°C ~ +105°C			-40°C ~ +105°C			-25°C ~ +105°C		
规格电压范围 Rated voltage range	6.3-100V.DC			160-250V.DC			400-450V.DC		
静电容量允许容差 Capacitance Tolerance	± 20% (20°C, 120Hz)								
漏电流 Leakage Current(MAX)	10-100V.DC				160-450V.DC				
	I=0.01CV或者3 (µA) 值以下 定格电压印加2分钟后 I=0.01CVor3 (µA) whichever is greater after 2 minutes application of rated voltage				I=0.02CV值以下 定格电压印加3分钟后 I=0.02CVwhichever is greater after 3 minutes application of rated voltage				
	I=漏电流 (µA)		C=定格静电容量 (µF)		V=定格电压 (V)				
	Leakage Current		Rated Capacitance		Rated Voltage				
损失角正接 (tan δ) Dissipation Factor(MAX)	定格电压 (V)	6.3	10	16	25	35	50	63	20°C
	Rated Voltage	-	0.2	0.16	0.14	0.12	0.1	0.09	
	定格电压 (V)	80	100	160	200	250	400	450	120Hz
	Rated Voltage	0.09	0.08	0.15	0.15	0.15	0.15	0.15	
容量超过1000µF; 每超过1000µF, 损失角增加0.02 Add 0.02 per 1,000µF for more than 1,000µF items.									
高温负荷特性 High Temp Load Test	105°C, 在规定的时间内, 印加定格电压与纹波电流后, 满足下列条件 After life test with ripple current at conditions stated in the table below, the capacitors shall meet the following requirements. 105°C施加额定电压5000小时后满足下列条件 After 5000 hours, application of DC rated working voltage at +105°C, capacitor shall meet the following limits.								
	静电容量变化率 Capacitance Change	初期值的 ± 25% Within ± 25%							
	损失角正接 (tan δ) Dissipation Factor	规格值的200%以内 Not more than the specified value							
	漏电流 Leakage Current(MAX)	规格值以下 Not more than the specified value							
低温特性 (抵抗比) Low Temperature Stability impedance Ratio MAX	规格电压 (V) Rated Voltage	6.3-16V	25-50V	63-100V	160-250V	400V	450V		
	Z(-25°C)/Z(20°C)	4	5	6	5	6	8		
	Z(-40°C)/Z(20°C)	8	9	10	9	10	12		
高温无负荷特性 High Temp Non-Load Test	After storage for 1000 hours at 105°C with no voltage applied, voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made, at which time requirements specified in the table "High Temperature Loading" can be met. 在105°C的条件下不加电压放置1000个小时, 按照JIS-C-5102中4-4的标准进行处理, 特性满足高温负荷特性								



# SMZ Series

## 寸法图DIMENSIONS



★  $\Phi 35\text{mm}$ :  $3.5 \pm 0.5\text{mm}$  The standard design has no plastic disc 标准的作业没有底座

### ▼ MULTIPLIER FOR RIPPLE CURRENT 纹波电流修正系数

(1) Frequency coefficient 频率系数

Freq.(Hz)	120	1K	10K	100K	(2) Temperature coefficient				
Cap( $\mu\text{F}$ )					Ambient Temperature( $^{\circ}\text{C}$ ) Coefficient	65	75	85	105
330 ~ 680	1.00	1.05	1.10	1.20		1.10	1.15	1.20	1.00
820 ~ 82000	1.00	1.10	1.15	1.18					

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 10V(1A)					
定格静容量( $\mu\text{F}$ ) Rated Capacitance	外形尺寸 Size $\Phi\text{D} \times \text{L}$ (mm)	定格电流 Rated ripple current m A r.m.s./105 $^{\circ}\text{C}$ , 120KHz	阻抗值 Impedance /100KHz/( $\Omega$ )		
			20 $^{\circ}\text{C}$	-10 $^{\circ}\text{C}$	
12000	22*25	2200	1.000	4.300	
15000	22*30	2300	0.980	4.300	
18000	22*30	2400	0.950	4.300	
18000	25*25	2400	0.900	4.300	
22000	22*35	2600	0.800	4.300	
22000	25*30	2600	0.700	4.300	
27000	22*40	3100	0.600	4.300	
27000	25*35	3100	0.550	4.100	
27000	30*25	3100	0.450	3.900	
33000	22*45	3400	0.430	3.700	
33000	25*40	3400	0.410	3.300	
39000	25*45	3700	0.400	3.200	
39000	30*30	3700	0.380	3.100	
39000	35*25	3700	0.330	3.900	
47000	25*50	3950	0.290	3.300	
47000	30*45	4100	0.260	3.100	
47000	35*30	4200	0.250	2.900	
56000	30*40	4800	0.230	2.700	
56000	35*35	4950	0.220	2.500	
68000	30*45	5100	0.200	2.300	
68000	35*40	5100	0.180	2.100	
82000	35*45	5300	0.160	2.000	

# SMZ Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 16V(1C)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size ΦDxL (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
10000	22*50	2200	0.980	4.300
12000	22*30	2300	0.950	4.300
12000	25*35	2400	0.900	4.300
15000	22*35	2400	0.800	4.300
18000	22*40	2600	0.700	4.300
18000	25*30	2600	0.600	4.300
22000	22*45	3100	0.550	4.100
22000	25*35	3100	0.450	3.900
22000	30*25	3100	0.430	3.700
27000	22*50	3400	0.410	3.300
27000	25*40	3400	0.400	3.200
27000	30*30	3700	0.380	3.100
27000	35*25	3700	0.330	3.900
33000	25*45	3700	0.290	3.300
33000	30*35	4200	0.260	3.100
39000	30*40	4200	0.250	2.900
39000	35*30	4350	0.230	2.700
47000	30*45	4500	0.220	2.500
47000	35*35	4650	0.200	2.300
56000	30*50	4780	0.180	2.100
56000	35*40	4820	0.160	2.000
68000	35*45	4900	0.140	1.800
定格电压 Rated voltage 25V(1E)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size ΦDxL (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
6800	22*25	2300	0.950	4.300
8200	22*30	2400	0.900	4.300
8200	25*25	2400	0.800	4.300
10000	22*35	2600	0.700	4.300
12000	22*40	2600	0.600	4.300
12000	25*30	3100	0.550	4.100
15000	22*45	3100	0.450	3.900
15000	25*35	3100	0.430	3.700
15000	30*25	3400	0.410	3.300
18000	22*50	3400	0.400	3.200
18000	25*40	3700	0.380	3.100
18000	30*30	3700	0.330	3.900
18000	35*25	3700	0.290	3.300
22000	25*45	4200	0.260	3.100
22000	30*35	4200	0.250	2.900
22000	35*30	4350	0.230	2.700
27000	30*40	4500	0.220	2.500
27000	35*35	4650	0.200	2.300
33000	30*45	4780	0.180	2.100
33000	35*40	4820	0.160	2.000
39000	30*50	4900	0.140	1.800
39000	35*45	5100	0.140	1.800
47000	35*50	5200	0.130	1.600

# SMZ Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 35V(IV)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100Khz/(Ω)	
			20℃	-10℃
4700	22*25	2400	0.950	4.300
5600	22*25	2400	0.900	4.300
5600	22*30	2600	0.800	4.300
6800	25*25	2600	0.700	4.300
8200	22*35	3100	0.600	4.300
8200	25*30	3100	0.550	4.100
10000	30*25	3100	0.450	3.900
10000	22*40	3400	0.430	3.700
10000	25*35	3400	0.410	3.300
12000	30*25	3700	0.400	3.200
12000	22*45	3700	0.380	3.100
12000	25*40	3700	0.330	3.900
12000	30*30	4200	0.290	3.300
15000	35*25	4200	0.260	3.100
15000	25*45	4350	0.250	2.900
15000	30*35	4500	0.230	2.700
18000	35*30	4650	0.220	2.500
18000	25*50	4780	0.200	2.300
22000	30*40	4820	0.180	2.100
22000	35*30	4900	0.160	2.000
27000	30*45	5100	0.140	1.800
27000	35*35	5200	0.140	1.800
33000	35*45	5300	0.130	1.600
定格电压 Rated voltage 50V(IH)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100Khz/(Ω)	
			20℃	-10℃
2700	22*25	2400	0.950	4.300
3300	22*30	2550	0.900	4.300
3900	22*30	2650	0.800	4.300
3900	25*25	2900	0.700	4.300
4700	22*35	3000	0.600	4.300
4700	25*30	3200	0.550	4.100
5600	30*25	3500	0.450	3.900
5600	22*40	3500	0.430	3.700
5600	25*35	3800	0.410	3.300
6800	30*25	3800	0.400	3.200
6800	22*50	3800	0.380	3.100
6800	25*40	4200	0.330	3.900
6800	30*30	4200	0.290	3.300
8200	35*25	4200	0.260	3.100
8200	25*45	4200	0.250	2.900
10000	30*35	4700	0.230	2.700
10000	35*30	4700	0.220	2.500
10000	25*50	4800	0.200	2.300
12000	30*40	4800	0.180	2.100
12000	35*30	4900	0.160	2.000
15000	30*45	4900	0.140	1.800
15000	35*35	5150	0.140	1.800
18000	35*40	5250	0.130	1.600

# SMZ Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 65V(1J)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size ΦDxL (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
2200	22*25	2400	0.980	4.300
2700	22*30	2550	0.950	4.300
2700	25*25	2650	0.900	4.300
3300	22*35	2900	0.800	4.300
3900	25*30	3000	0.700	4.300
3900	22*40	3200	0.600	4.300
3900	25*35	3500	0.550	4.100
4700	30*25	3500	0.450	3.900
4700	22*45	3800	0.430	3.700
5600	25*35	3800	0.410	3.300
5600	30*30	3800	0.400	3.200
5600	35*25	4200	0.380	3.100
5600	22*50	4200	0.330	3.900
6800	25*40	4200	0.290	3.300
6800	30*25	4200	0.260	3.100
6800	35*25	4700	0.250	2.900
8200	25*50	4700	0.230	2.700
8200	30*40	4800	0.220	2.500
10000	35*30	4800	0.200	2.300
10000	30*45	4900	0.180	2.100
12000	35*35	4900	0.160	2.000
12000	30*50	5150	0.140	1.800
15000	35*40	5250	0.120	1.400
定格电压 Rated voltage 80V(1K)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size ΦDxL (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
1200	22*25	1800	0.980	4.300
1500	22*25	1950	0.950	4.300
1500	22*30	1950	0.900	4.300
1800	25*25	2100	0.800	4.300
2200	22*35	2250	0.700	4.300
2200	25*30	2350	0.600	4.300
2700	22*40	2450	0.550	4.100
2700	25*35	2550	0.450	3.900
2700	30*25	2550	0.430	3.700
3300	22*50	2700	0.410	3.300
3300	25*40	2750	0.400	3.200
3300	30*30	2750	0.380	3.100
3300	35*25	2800	0.330	3.900
3900	25*45	2900	0.290	3.300
3900	30*35	3000	0.260	3.100
4700	35*25	3150	0.250	2.900
4700	25*50	3200	0.230	2.700
4700	30*40	3200	0.220	2.500
5600	35*30	3500	0.200	2.300
5600	30*45	3650	0.180	2.100
6800	35*35	3800	0.160	2.000
6800	30*35	3950	0.140	1.800
8200	30*50	4100	0.130	1.700

# SMZ Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 100V(2A)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
820	22*25	1400	0.600	4.300
1000	22*30	1550	0.550	4.100
1200	22*30	1650	0.450	3.900
1200	25*25	1800	0.430	3.700
1500	22*35	2100	0.410	3.300
1500	25*30	2250	0.400	3.200
1800	22*40	2350	0.380	3.100
1800	25*35	2450	0.330	3.900
1800	30*25	2550	0.290	3.300
2200	22*45	2550	0.260	3.100
2200	25*40	2700	0.250	2.900
2200	30*30	2750	0.230	2.700
2200	30*40	2750	0.230	2.700
2200	35*25	2750	0.220	2.500
2700	25*45	2800	0.200	2.300
2700	30*35	2900	0.180	2.100
3300	25*50	3000	0.160	2.000
3300	30*40	3150	0.140	1.800
3300	35*30	3200	0.200	2.300
3900	30*45	3500	0.180	2.100
3900	35*35	3650	0.160	2.000
4700	30*50	3800	0.140	1.800
4700	35*40	3950	0.100	1.500
5600	35*45	4100	0.140	1.800
6800	35*50	4300	0.100	1.500
定格电压 Rated voltage 160V(2C)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
470	22*30	1500	0.800	4.300
560	22*35	1600	0.700	4.300
680	22*40	1800	0.600	4.300
680	25*30	1800	0.550	4.100
820	22*45	1900	0.450	3.900
820	25*35	1900	0.430	3.700
1000	22*50	2100	0.410	3.300
1000	25*40	2100	0.400	3.200
1000	30*30	2200	0.380	3.100
1000	35*25	2200	0.330	3.900
1200	25*45	2300	0.290	3.300
1200	30*35	2300	0.260	3.100
1200	35*30	2400	0.250	2.900
1500	30*40	2500	0.230	2.700
1500	35*30	2550	0.220	2.500
1800	30*45	2800	0.200	2.300
1800	35*35	2800	0.180	2.100
2200	35*45	2950	0.160	2.000
3300	35*60	3050	0.140	1.800

# SMZ Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 200V(2D)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
270	22*25	1350	1.000	4.300
330	22*30	1480	0.980	4.300
390	22*30	1550	0.950	4.300
390	25*25	1600	0.900	4.300
470	22*35	1800	0.800	4.300
470	25*30	1800	0.700	4.300
560	22*40	1900	0.600	4.300
560	25*30	1900	0.550	4.100
560	30*25	2000	0.450	3.900
680	22*40	2100	0.430	3.700
680	22*45	2100	0.430	3.700
680	25*35	2200	0.410	3.300
680	30*30	2200	0.400	3.200
820	22*50	2300	0.380	3.100
820	25*40	2300	0.330	3.900
820	30*30	2400	0.290	3.300
820	35*25	2500	0.260	3.100
1000	25*45	2550	0.250	2.900
1000	30*35	2800	0.230	2.700
1000	35*30	2800	0.220	2.500
1200	30*40	2950	0.200	2.300
1200	35*35	3050	0.180	2.100
1500	30*50	3100	0.160	2.000
1500	35*40	3150	0.150	1.800
1800	35*50	3300	0.140	1.600
2200	35*55	3500	0.130	1.400
2200	35*60	3650	0.120	1.200
3300	35*65	3800	0.110	1.000
定格电压 Rated voltage 250V(2E)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D×L (mm)	定格电流 Rated ripple current m A r.m.s./105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
220	22*25	1480	0.980	4.300
270	22*30	1550	0.950	4.300
270	25*25	1600	0.900	4.300
330	22*35	1800	0.800	4.300
330	25*30	1800	0.700	4.300
390	22*40	1900	0.600	4.300
390	25*30	1900	0.550	4.100
390	30*25	2100	0.450	3.900
470	22*45	2100	0.430	3.700
470	25*35	2200	0.410	3.300
470	30*30	2200	0.400	3.200
560	25*40	2300	0.380	3.100
560	30*30	2300	0.330	3.900
560	35*25	2400	0.290	3.300
680	25*45	2500	0.260	3.100
680	30*35	2550	0.250	2.900
680	35*30	2650	0.230	2.700
820	30*40	2650	0.220	2.500
820	35*35	2750	0.200	2.300
1000	30*50	2900	0.180	2.100
1000	35*40	2950	0.160	2.000
1200	35*45	2950	0.155	1.900
2200	35*65	3600	0.150	1.800

# SMZ Series

## 标准品一览表/STANDARD SIZE

定格电压 Rated voltage 400V(2G)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D x L (mm)	定格电流 Rated ripple current m A r.m.s/105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
82	22*25	1140	1.450	4.900
100	22*30	1300	1.400	4.800
100	25*25	1300	1.380	4.900
120	22*35	1460	1.330	4.800
120	25*30	1460	1.330	4.600
150	22*40	1530	1.300	4.500
150	25*30	1530	1.250	4.400
150	30*25	1530	1.220	4.380
180	22*45	1600	1.200	4.350
180	25*35	1600	1.150	4.300
180	30*30	1600	1.120	4.300
220	22*50	1800	1.100	4.300
220	25*40	1800	1.050	4.100
220	30*30	1850	1.000	3.900
220	35*25	1850	0.950	3.900
270	25*45	1950	0.900	3.900
270	30*35	1950	0.850	3.700
定格电压 Rated voltage 400V(2G)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D x L (mm)	定格电流 Rated ripple current m A r.m.s/105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
150	25*24	1050	1.800	3.900
220	35*30	2050	0.800	3.200
270	35*30	2050	0.800	3.200
330	30*40	2180	0.750	3.000
330	35*30	2200	0.700	2.900
390	30*45	2350	0.650	2.700
390	35*35	2350	0.600	2.600
470	35*40	2550	0.520	2.500
470	35*45	2550	0.500	2.400
560	35*45	2650	0.460	2.400
680	35*50	2800	0.200	2.300
820	35*60	2980	0.180	2.100
1000	35*60	3210	0.160	2.000
定格电压 Rated voltage 450V(2W)				
定格静容量(μ F) Rated Capacitance	外形尺寸 Size Φ D x L (mm)	定格电流 Rated ripple current m A r.m.s/105℃,120KHz	阻抗值 Impedance /100KHz/(Ω)	
			20℃	-10℃
82	22*30	1300	1.400	4.800
82	25*25	1300	1.380	4.900
100	22*35	1460	1.330	4.800
100	25*30	1460	1.330	4.600
120	22*40	1530	1.300	4.500
120	25*35	1530	1.250	4.400
120	30*25	1530	1.220	4.380
150	22*45	1600	1.200	4.350
150	25*40	1600	1.150	4.300
150	30*30	1600	1.120	4.300
150	35*25	1800	1.100	4.300
180	22*50	1800	1.050	4.100
180	25*40	1850	1.000	3.900
180	30*30	1850	0.950	3.900
180	35*25	1950	0.900	3.900
220	25*45	1950	0.850	3.700
220	30*35	2050	0.800	3.200
220	35*30	2180	0.750	3.000
270	30*40	2200	0.700	2.900
270	35*35	2350	0.650	2.700
330	30*46	2350	0.600	2.600
330	30*50	2350	0.600	2.600
330	35*40	2550	0.520	2.500
390	35*40	2550	0.500	2.400
470	35*40	2650	0.460	2.400
470	35*45	2800	0.200	2.300
470	35*60	2800	0.200	2.300
560	35*50	2980	0.180	2.100
680	35*60	3010	0.160	2.000
820	35*60	3210	0.150	1.580