

SEM

小体积品: 105℃ 2,000小时时间品
Smaller Size:105℃ 2,000 hours

规格表 SPECIFICATIONS

项目	性能				
工作温度范围 Category Temperature Range	-25 ~ 105℃				
额定电压范围 Rated Voltage Range	10 ~ 450V.DC				
静电容量允许偏差 Electrostatic Capacitance Tolerance	± 20% (20℃, 120Hz)				
漏电流 Leakage Current	$I \leq 3\sqrt{CV}$ (5分钟值) (5minutes)				
	I= 漏电流 Leakage Current (μ A) C=静电容量 Electrostatic Capacitance (μ F) V=额定电压 Rated Voltage (V)				
损耗角正切值 Dissipation Factor	尺寸标准一览表 The value in the size table				
温度特性 / 阻抗比 Temperature Stability / Impedance Ratio	120Hz				
	额定电压 (V) Rated Voltage	10~100	160~400	450	
	Z-25℃/Z+20℃	2	4	8	
耐久性 Endurance	在105℃的环境中, 在不超过额定电压的范围内重叠印加规定的额定纹波电流2,000小时后应符合下列要求。 After 2,000 hour life test at 105℃ with rated voltage and ripple current, the capacitors shall meet the following requirements .				
	静电容量变化率 Electrostatic Capacitance Change	初始值的 ± 20% ± 20% of the initial value			
	损耗角正切值 Dissipation Factor	初始值的200% 200% of the initial value			
	漏电流 Leakage Current	初始规格值 The initial specification value			
高温无负荷特性 Shelf Life	经过1,000个小时的保质寿命试验105℃,然后在20℃保存。经过预处理后 (JIS C 5102规范4.4),电容器应符合下列要求。 After 1,000 hour shelf life test at 105℃,then stored at 20℃.And after pre-treatment (JIS C 5102 4.4),the capacitors shall meet the following requirements.				
	静电容量变化率 Electrostatic Capacitance Change	初始值的 ± 20% ± 20% of the initial value			
	修正系数 Correction Coefficient	初始值 ± 10% Initial value ± 10%	初始值 ± 15% Initial value ± 15%	初始值 ± 20% Initial value ± 20%	初始值 ± 30% Initial value ± 30%
		0.7	0.85	1	2.47
	损耗角正切值 Dissipation Factor	初始值的200% 200% of the initial value			
漏电流 Leakage Current	初始规格值 The Initial specification value				

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小体积品: 105°C 2,000小时时间品
Smaller Size: 105°C 2,000 hours

■ 纹波电流修正系数 / CORRECTION COEFFICIENT FOR RIPPLE CURRENT

1. 频率系数 Frequency Coefficient

频率 Frequency	60 (50)	120	500	1K	≥10K
10~100 V.DC	0.95	1.00	1.05	1.08	1.15
400~450 V.DC	0.80	1.00	1.20	1.25	1.40

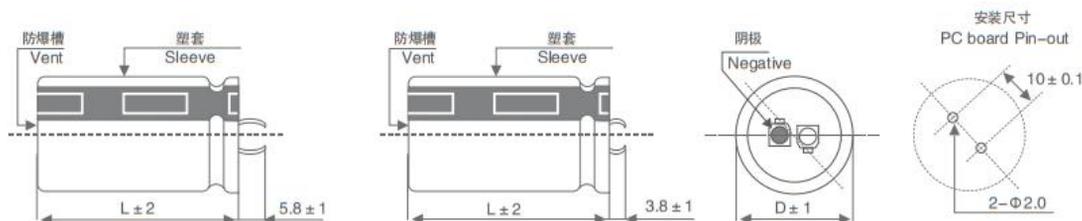
2. 周围温度系数 Temperature Coefficient

周围温度(°C) Ambient Temperature	105	85	65
系数 Coefficient	1.0	1.7	2.1

■ 尺寸图 / DIMENSIONS

标准端子 / Standard terminal type

短端子 / Short terminal type



■ 产品代码规则 / PRODUCT CODE SYSTEM



■ 产品型号体系 / PRODUCT MODE

电压代码 Voltage Code	系列代码 Series Code	容量代码 Capacitance Code	允许偏差代码 Allowable Tolerance Code	尺寸代码 Size Code	设计代码 Design code	端子 Terminal
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标准品一览表、额定纹波电流 TYPICAL DIMENSIONS、RATED RIPPLE CURRENT

V.DC	Cpa (uF)	外壳尺寸 Case Size φD±1×L±2mm	纹波电流 arms/105°C Ripple current Arms 105°C, 120Hz	损耗角正切值 (20°C, 120赫兹) Dissipation factor (20°C, 120Hz)	产品型号 Part No	V.DC	Cpa (uF)	外壳尺寸 Case Size φD±1×L±2mm	纹波电流 arms/105°C Ripple current Arms 105°C, 120Hz	损耗角正切值 (20°C, 120赫兹) Dissipation factor (20°C, 120Hz)	产品型号 Part No
10	12000	22×25	2.20	0.65	010SEM123M2225YZB	16	39000	30×40	5.10	0.61	016SEM393M3040YZB
	15000	22×30	2.30	0.65	010SEM153M2230YZB		39000	35×30	5.10	0.61	016SEM393M3530YZB
	18000	22×30	2.40	0.65	010SEM183M2230YZB		47000	30×45	5.50	0.69	016SEM473M3045YZB
	18000	25×25	2.40	0.65	010SEM183M2525YZB		47000	35×35	5.50	0.69	016SEM473M3535YZB
	22000	22×35	2.60	0.65	010SEM223M2235YZB		56000	30×50	6.00	0.78	016SEM563M3050YZB
	22000	25×30	2.60	0.65	010SEM223M2530YZB		56000	35×40	6.00	0.78	016SEM563M3540YZB
	27000	22×40	3.10	0.65	010SEM273M2240YZB		68000	35×45	6.40	0.90	016SEM683M3545YZB
	27000	25×35	3.10	0.65	010SEM273M2535YZB		25	6800	22×25	2.40	0.40
	27000	30×25	3.10	0.65	010SEM273M3025YZB	8200		22×30	2.70	0.40	025SEM822M2230YZB
	33000	22×45	3.40	0.65	010SEM333M2245YZB	8200		25×25	2.70	0.40	025SEM822M2525YZB
	33000	25×40	3.40	0.65	010SEM333M2540YZB	10000		22×35	3.00	0.40	025SEM103M2235YZB
	39000	25×45	3.70	0.71	010SEM393M2545YZB	12000		22×40	3.20	0.40	025SEM123M2240YZB
	39000	30×30	3.70	0.71	010SEM393M3030YZB	12000		25×30	3.20	0.40	025SEM123M2530YZB
	39000	35×25	3.70	0.71	010SEM393M3525YZB	15000		22×45	3.60	0.40	025SEM153M2245YZB
	47000	25×50	4.20	0.79	010SEM473M2550YZB	15000		25×35	3.60	0.40	025SEM153M2535YZB
	47000	30×35	4.20	0.79	010SEM473M3035YZB	15000		30×25	3.60	0.40	025SEM153M3025YZB
	47000	35×30	4.20	0.79	010SEM473M3530YZB	18000		22×50	3.90	0.40	025SEM183M2250YZB
	56000	30×40	5.00	0.88	010SEM563M3040YZB	18000		25×40	3.90	0.40	025SEM183M2540YZB
	56000	35×35	5.00	0.88	010SEM563M3535YZB	18000		30×30	3.90	0.40	025SEM183M3030YZB
	68000	30×45	5.40	1.00	010SEM683M3045YZB	18000	35×25	3.90	0.40	025SEM183M3525YZB	
68000	35×40	5.40	1.00	010SEM683M3540YZB	22000	25×45	4.30	0.40	025SEM223M2545YZB		
82000	35×45	5.90	1.14	010SEM823M3545YZB	22000	30×35	4.30	0.40	025SEM223M3035YZB		
100000	35×50	6.50	1.32	010SEM104M3550YZB	22000	35×30	4.30	0.40	025SEM223M3530YZB		
16	10000	22×25	2.60	0.55	016SEM103M2225YZB	27000	30×40	4.80	0.40	025SEM273M3040YZB	
	12000	22×30	2.90	0.55	016SEM123M2230YZB	27000	35×35	4.80	0.40	025SEM273M3535YZB	
	12000	25×25	2.90	0.55	016SEM123M2525YZB	33000	30×45	5.50	0.40	025SEM333M3045YZB	
	15000	22×35	3.20	0.55	016SEM153M2235YZB	33000	35×40	5.50	0.40	025SEM333M3540YZB	
	18000	22×40	3.50	0.55	016SEM183M2240YZB	39000	30×50	5.80	0.46	025SEM393M3050YZB	
	18000	25×30	3.50	0.55	016SEM183M2530YZB	39000	35×45	5.80	0.46	025SEM393M3545YZB	
	22000	22×45	3.80	0.55	016SEM223M2245YZB	47000	35×50	6.30	0.54	025SEM473M3550YZB	
	22000	25×35	3.80	0.55	016SEM223M2535YZB	35	4700	22×25	2.20	0.35	035SEM472M2225YZB
	22000	30×25	3.80	0.55	016SEM223M3025YZB		5600	22×30	2.40	0.35	035SEM562M2230YZB
	27000	22×50	4.20	0.55	016SEM273M2250YZB		5600	25×25	2.40	0.35	035SEM562M2525YZB
	27000	25×40	4.20	0.55	016SEM273M2540YZB		6800	22×35	2.60	0.35	035SEM682M2235YZB
	27000	30×30	4.20	0.55	016SEM273M3030YZB		8200	22×40	2.90	0.35	035SEM822M2240YZB
	27000	35×25	4.20	0.55	016SEM273M3525YZB		8200	25×30	2.90	0.35	035SEM822M2530YZB
	33000	25×45	4.70	0.55	016SEM333M2545YZB		10000	22×45	3.20	0.35	035SEM103M2245YZB
	33000	30×35	4.70	0.55	016SEM333M3035YZB		10000	25×35	3.20	0.35	035SEM103M2535YZB

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标准品一览表、额定纹波电流

TYPICAL DIMENSIONS、RATED RIPPLE CURRENT

V.DC	Cpa (uF)	外壳尺寸 Case Size φD±1×L±2mm	纹波电流 arms/105°C Ripple current Arms 105°C, 120Hz	损耗角正切值 (20°C, 120赫兹) Dissipation factor (20°C, 120Hz)	产品型号 Part No	V.DC	Cpa (uF)	外壳尺寸 Case Size φD±1×L±2mm	纹波电流 arms/105°C Ripple current Arms 105°C, 120Hz	损耗角正切值 (20°C, 120赫兹) Dissipation factor (20°C, 120Hz)	产品型号 Part No
35	10000	30×25	3.20	0.35	035SEM103M3025YZB	63	2200	22×25	2.00	0.30	063SEM222M2225YZB
	12000	22×50	3.50	0.35	035SEM123M2250YZB		2700	22×30	2.20	0.30	063SEM272M2230YZB
	12000	25×40	3.50	0.35	035SEM123M2540YZB		2700	25×25	2.20	0.30	063SEM272M2525YZB
	12000	30×30	3.50	0.35	035SEM123M3030YZB		3300	22×35	2.50	0.30	063SEM332M2235YZB
	12000	35×25	3.50	0.35	035SEM123M3525YZB		3900	22×40	2.70	0.30	063SEM392M2240YZB
	15000	25×45	3.90	0.35	035SEM153M2545YZB		3900	25×30	2.70	0.30	063SEM392M2530YZB
	15000	30×35	3.90	0.35	035SEM153M3035YZB		3900	30×25	2.70	0.30	063SEM392M3025YZB
	15000	35×30	3.90	0.35	035SEM153M3530YZB		4700	22×45	3.00	0.30	063SEM472M2245YZB
	18000	30×40	4.30	0.35	035SEM183M3040YZB		4700	25×35	3.00	0.30	063SEM472M2535YZB
	18000	35×35	4.30	0.35	035SEM183M3535YZB		5600	22×50	3.30	0.30	063SEM562M2250YZB
	22000	30×45	5.00	0.35	035SEM223M3045YZB		5600	25×40	3.30	0.30	063SEM562M2540YZB
	22000	35×40	5.00	0.35	035SEM223M3540YZB		5600	30×30	3.30	0.30	063SEM562M3030YZB
	27000	35×55	5.30	0.35	035SEM273M3555YZB		5600	35×25	3.30	0.30	063SEM562M3525YZB
	33000	35×50	5.90	0.35	035SEM333M3550YZB		6800	25×45	3.60	0.30	063SEM682M2545YZB
50	2700	22×25	1.80	0.35	050SEM272M2225YZB	6800	30×35	3.60	0.30	063SEM682M3035YZB	
	3300	22×30	2.00	0.35	050SEM332M2230YZB	6800	35×30	3.60	0.30	063SEM682M3530YZB	
	3900	22×35	2.20	0.35	050SEM392M2235YZB	8200	30×40	3.90	0.30	063SEM822M3040YZB	
	3900	25×25	2.20	0.35	050SEM392M2525YZB	8200	35×35	3.90	0.30	063SEM822M3535YZB	
	4700	22×40	2.50	0.35	050SEM472M2240YZB	10000	30×45	4.40	0.30	063SEM103M3045YZB	
	4700	25×30	2.50	0.35	050SEM472M2530YZB	10000	35×40	4.40	0.30	063SEM103M3540YZB	
	5600	22×45	2.80	0.35	050SEM562M2245YZB	12000	35×45	4.80	0.30	063SEM123M3545YZB	
	5600	25×35	2.80	0.35	050SEM562M2535YZB	15000	35×50	5.40	0.30	063SEM153M3550YZB	
	5600	30×25	2.80	0.35	050SEM562M3025YZB	80	1200	22×25	1.50	0.25	080SEM122M2225YZB
	6800	22×50	3.30	0.35	050SEM682M2250YZB		1500	22×30	1.70	0.25	080SEM152M2230YZB
	6800	25×40	3.30	0.35	050SEM682M2540YZB		1500	25×25	1.70	0.25	080SEM152M2525YZB
	6800	30×30	3.30	0.35	050SEM682M3030YZB		1800	22×35	1.80	0.25	080SEM182M2235YZB
	6800	35×25	3.30	0.35	050SEM682M3525YZB		2200	22×40	2.10	0.25	080SEM222M2240YZB
	8200	25×45	3.60	0.35	050SEM822M2545YZB		2200	25×30	2.10	0.25	080SEM222M2530YZB
	8200	30×35	3.60	0.35	050SEM822M3035YZB		2700	22×45	2.40	0.25	080SEM272M2245YZB
	10000	25×50	4.00	0.35	050SEM103M2550YZB		2700	25×35	2.40	0.25	080SEM272M2535YZB
	10000	30×40	4.00	0.35	050SEM103M3040YZB		2700	30×25	2.40	0.25	080SEM272M3025YZB
	10000	35×30	4.00	0.35	050SEM103M3530YZB		3300	22×50	2.60	0.25	080SEM332M2250YZB
	12000	30×45	4.50	0.35	050SEM123M3045YZB		3300	25×40	2.60	0.25	080SEM332M2540YZB
	12000	35×35	4.50	0.35	050SEM123M3535YZB		3300	30×30	2.60	0.25	080SEM332M3030YZB
15000	30×50	4.80	0.35	050SEM153M3050YZB	3300		35×25	2.60	0.25	080SEM332M3525YZB	
15000	35×40	4.80	0.35	050SEM153M3540YZB	3900		25×45	3.00	0.25	080SEM392M2545YZB	
18000	35×45	5.20	0.35	050SEM183M3545YZB	3900		30×35	3.00	0.25	080SEM392M3035YZB	

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标准品一览表、额定纹波电流

TYPICAL DIMENSIONS、RATED RIPPLE CURRENT

V.DC	Cpa (uF)	外壳尺寸 Case Size φD ± 1 × L ± 2mm	纹波电流 arms/105°C Ripple current Arms 105°C, 120Hz	损耗角正切值 (20°C, 120赫兹) Dissipation factor (20°C, 120Hz)	产品型号 Part No	V.DC	Cpa (uF)	外壳尺寸 Case Size φD ± 1 × L ± 2mm	纹波电流 arms/105°C Ripple current Arms 105°C, 120Hz	损耗角正切值 (20°C, 120赫兹) Dissipation factor (20°C, 120Hz)	产品型号 Part No
80	4700	25 × 50	3.30	0.25	080SEM472M2550YZB	160	1000	30 × 25	2.20	0.15	160SEM102M3025YZB
	4700	30 × 40	3.30	0.25	080SEM472M3040YZB		1200	22 × 45	2.30	0.15	160SEM122M2245YZB
	4700	35 × 30	3.30	0.25	080SEM472M3530YZB		1200	25 × 40	2.30	0.15	160SEM122M2540YZB
	5600	30 × 45	3.70	0.25	080SEM562M3045YZB		1200	30 × 30	2.30	0.15	160SEM122M3030YZB
	5600	35 × 35	3.70	0.25	080SEM562M3535YZB		1200	35 × 25	2.30	0.15	160SEM122M3525YZB
	6800	30 × 50	3.90	0.25	080SEM682M3050YZB		1500	25 × 45	2.50	0.15	160SEM152M2545YZB
	6800	35 × 40	3.90	0.25	080SEM682M3540YZB		1500	30 × 35	2.50	0.15	160SEM152M3035YZB
	8200	35 × 45	4.30	0.25	080SEM822M3545YZB		1500	35 × 30	2.50	0.15	160SEM152M3530YZB
10000	35 × 50	4.80	0.25	080SEM103M3550YZB	1800	25 × 50	2.70	0.15	160SEM182M2550YZB		
100	820	22 × 25	1.40	0.25	100SEM821M2225YZB	1800	30 × 40	2.70	0.15	160SEM182M3040YZB	
	1000	22 × 30	1.70	0.25	100SEM102M2230YZB	1800	35 × 30	2.70	0.15	160SEM182M3530YZB	
	1200	22 × 30	1.80	0.25	100SEM122M2230YZB	2200	30 × 45	2.90	0.15	160SEM222M3045YZB	
	1200	25 × 25	1.80	0.25	100SEM122M2525YZB	2200	35 × 35	2.90	0.15	160SEM222M3535YZB	
	1500	22 × 35	2.10	0.25	100SEM152M2235YZB	2700	30 × 50	3.10	0.15	160SEM272M3050YZB	
	1500	25 × 30	2.10	0.25	100SEM152M2530YZB	2700	35 × 40	3.10	0.15	160SEM272M3540YZB	
	1800	22 × 40	2.30	0.25	100SEM182M2240YZB	3300	35 × 50	3.30	0.15	160SEM332M3550YZB	
	1800	25 × 35	2.30	0.25	100SEM182M2535YZB	180	470	22 × 25	1.45	0.15	180SEM471M2225YZB
	1800	30 × 25	2.30	0.25	100SEM182M3025YZB		560	22 × 30	1.50	0.15	180SEM561M2230YZB
	2200	25 × 40	2.60	0.25	100SEM222M2540YZB		560	25 × 25	1.50	0.15	180SEM561M2525YZB
	2200	30 × 30	2.60	0.25	100SEM222M3030YZB		680	22 × 35	1.70	0.15	180SEM681M2235YZB
	2200	35 × 25	2.60	0.25	100SEM222M3525YZB		680	25 × 30	1.70	0.15	180SEM681M2530YZB
	2700	25 × 45	2.90	0.25	100SEM272M2545YZB		820	22 × 40	2.00	0.15	180SEM821M2240YZB
	2700	30 × 35	2.90	0.25	100SEM272M3035YZB		820	25 × 30	2.00	0.15	180SEM821M2530YZB
	3300	25 × 50	3.20	0.25	100SEM332M2550YZB		820	30 × 25	2.00	0.15	180SEM821M3025YZB
	3300	30 × 40	3.20	0.25	100SEM332M3040YZB		1000	22 × 45	2.20	0.15	180SEM102M2245YZB
	3300	35 × 30	3.20	0.25	100SEM332M3530YZB		1000	25 × 40	2.20	0.15	180SEM102M2540YZB
	3900	30 × 45	3.60	0.25	100SEM392M3045YZB		1000	30 × 30	2.20	0.15	180SEM102M3030YZB
	3900	35 × 35	3.60	0.25	100SEM392M3535YZB		1000	35 × 25	2.20	0.15	180SEM102M3525YZB
	4700	30 × 50	3.80	0.25	100SEM472M3050YZB	1200	25 × 45	2.30	0.15	180SEM122M2545YZB	
4700	35 × 40	3.80	0.25	100SEM472M3540YZB	1200	30 × 30	2.30	0.15	180SEM122M3030YZB		
160	5600	35 × 45	4.10	0.25	100SEM562M3545YZB	1200	30 × 35	2.30	0.15	180SEM122M3035YZB	
	470	22 × 25	1.40	0.15	160SEM471M2225YZB	1500	25 × 50	2.50	0.15	180SEM152M2550YZB	
	560	22 × 30	1.50	0.15	160SEM561M2230YZB	1500	30 × 40	2.50	0.15	180SEM152M3040YZB	
	680	22 × 30	1.70	0.15	160SEM681M2230YZB	1500	35 × 30	2.50	0.15	180SEM152M3530YZB	
	680	25 × 25	1.70	0.15	160SEM681M2525YZB	1800	30 × 45	2.70	0.15	180SEM182M3045YZB	
	820	22 × 35	2.00	0.15	160SEM821M2235YZB	1800	35 × 35	2.70	0.15	180SEM182M3535YZB	
	820	25 × 30	2.00	0.15	160SEM821M2530YZB	2200	30 × 50	2.90	0.15	180SEM222M3050YZB	
	1000	22 × 40	2.20	0.15	160SEM102M2240YZB	2200	35 × 40	2.90	0.15	180SEM222M3540YZB	
	1000	25 × 35	2.20	0.15	160SEM102M2535YZB	2700	35 × 50	3.10	0.15	180SEM272M3550YZB	

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标准品一览表、额定纹波电流

TYPICAL DIMENSIONS、RATED RIPPLE CURRENT

V.DC	Cpa (uF)	外壳尺寸 Case Size φD ± 1 × L ± 2mm	纹波电流 arms/105°C Ripple current Arms 105°C, 120Hz	损耗角正切值 (20°C, 120赫兹) Dissipation factor (20°C, 120Hz)	产品型号 Part No	V.DC	Cpa (uF)	外壳尺寸 Case Size φD ± 1 × L ± 2mm	纹波电流 arms/105°C Ripple current Arms 105°C, 120Hz	损耗角正切值 (20°C, 120赫兹) Dissipation factor (20°C, 120Hz)	产品型号 Part No	
200	390	22 × 25	1.31	0.15	200SEM391M2225Y ZB	250	820	25 × 45	2.00	0.15	250SEM821M2545Y ZB	
	470	22 × 30	1.45	0.15	200SEM471M2230Y ZB		820	30 × 35	2.00	0.15	250SEM821M3035Y ZB	
	470	25 × 25	1.45	0.15	200SEM471M2525Y ZB		820	35 × 30	2.00	0.15	250SEM821M3530Y ZB	
	680	22 × 40	1.75	0.15	200SEM681M2240Y ZB		1000	25 × 50	2.20	0.15	250SEM102M2550Y ZB	
	680	25 × 30	1.75	0.15	200SEM681M2530Y ZB		1000	30 × 40	2.20	0.15	250SEM102M3040Y ZB	
	820	22 × 45	2.04	0.15	200SEM821M2245Y ZB		1000	35 × 30	2.20	0.15	250SEM102M3530Y ZB	
	820	25 × 35	2.04	0.15	200SEM821M2535Y ZB		1200	30 × 45	2.30	0.15	250SEM122M3045Y ZB	
	1000	22 × 50	2.30	0.15	200SEM102M2250Y ZB		1200	35 × 35	2.30	0.15	250SEM122M3535Y ZB	
	1000	25 × 40	2.30	0.15	200SEM102M2540Y ZB		1500	35 × 45	2.50	0.15	250SEM152M3545Y ZB	
	1000	25 × 45	2.30	0.15	200SEM102M2545Y ZB		1800	35 × 50	2.70	0.15	250SEM182M3550Y ZB	
	1000	30 × 30	2.30	0.15	200SEM102M3030Y ZB		315	150	22 × 25	0.82	0.15	315SEM151M2225Y ZB
	1000	35 × 25	2.30	0.15	200SEM102M3525Y ZB			180	22 × 30	1.90	0.15	315SEM181M2230Y ZB
	1200	25 × 45	2.65	0.15	200SEM122M2545Y ZB			220	22 × 30	1.00	0.15	315SEM221M2230Y ZB
	1200	25 × 50	2.65	0.15	200SEM122M2550Y ZB			270	22 × 40	1.10	0.15	315SEM271M2240Y ZB
	1200	30 × 35	2.65	0.15	200SEM122M3035Y ZB			270	25 × 30	1.10	0.15	315SEM271M2530Y ZB
	1200	35 × 30	2.65	0.15	200SEM122M3530Y ZB			330	22 × 45	1.20	0.15	315SEM331M2245Y ZB
	1500	30 × 40	2.80	0.15	200SEM152M3040Y ZB			330	25 × 35	1.20	0.15	315SEM331M2535Y ZB
	1800	35 × 40	3.08	0.15	200SEM182M3540Y ZB			330	30 × 25	1.20	0.15	315SEM331M3025Y ZB
	2200	35 × 45	3.48	0.15	200SEM222M3545Y ZB			390	22 × 50	1.30	0.15	315SEM391M2250Y ZB
	250	270	22 × 25	1.10	0.15			250SEM271M2225Y ZB	390	25 × 40	1.30	0.15
330		22 × 30	1.20	0.15	250SEM331M2230Y ZB	390		30 × 30	1.30	0.15	315SEM391M3030Y ZB	
330		25 × 25	1.20	0.15	250SEM331M2525Y ZB	390		35 × 25	1.30	0.15	315SEM391M3525Y ZB	
390		22 × 30	1.30	0.15	250SEM391M2230Y ZB	470	25 × 45	1.40	0.15	315SEM471M2545Y ZB		
390		22 × 35	1.30	0.15	250SEM391M2235Y ZB	470	30 × 35	1.40	0.15	315SEM471M3035Y ZB		
390		25 × 25	1.30	0.15	250SEM391M2525Y ZB	560	25 × 50	1.50	0.15	315SEM561M2550Y ZB		
470		22 × 35	1.40	0.15	250SEM471M2235Y ZB	560	30 × 40	1.50	0.15	315SEM561M3040Y ZB		
470		22 × 40	1.40	0.15	250SEM471M2240Y ZB	560	35 × 30	1.50	0.15	315SEM561M3530Y ZB		
470		25 × 30	1.40	0.15	250SEM471M2530Y ZB	680	30 × 45	1.70	0.15	315SEM681M3045Y ZB		
470		30 × 25	1.40	0.15	250SEM471M3025Y ZB	680	35 × 35	1.70	0.15	315SEM681M3535Y ZB		
560		22 × 40	1.50	0.15	250SEM561M2240Y ZB	820	30 × 50	2.00	0.15	315SEM821M3050Y ZB		
560		22 × 45	1.50	0.15	250SEM561M2245Y ZB	820	35 × 40	2.00	0.15	315SEM821M3540Y ZB		
560		25 × 35	1.50	0.15	250SEM561M2535Y ZB	1000	35 × 45	2.30	0.15	315SEM102M3545Y ZB		
560		30 × 25	1.50	0.15	250SEM561M3025Y ZB	350	120	22 × 25	0.75	0.15	350SEM121M2225Y ZB	
680		22 × 45	1.70	0.15	250SEM681M2245Y ZB		150	22 × 30	0.82	0.15	350SEM151M2230Y ZB	
680		22 × 50	1.70	0.15	250SEM681M2250Y ZB		180	22 × 30	0.90	0.15	350SEM181M2230Y ZB	
680		25 × 40	1.70	0.15	250SEM681M2540Y ZB		180	25 × 25	0.90	0.15	350SEM181M2525Y ZB	
680		30 × 30	1.70	0.15	250SEM681M3030Y ZB		220	22 × 35	1.00	0.15	350SEM221M2235Y ZB	
680	35 × 25	1.70	0.15	250SEM681M3525Y ZB	220		25 × 30	1.00	0.15	350SEM221M2530Y ZB		

SEM

标准品一览表、额定纹波电流 TYPICAL DIMENSIONS、RATED RIPPLE CURRENT

V.DC	Cpa (uF)	外壳尺寸 Case Size φD±1×L±2mm	纹波电流 arms/105℃ Ripple current Arms 105℃, 120Hz	损耗角正切值 (20℃, 120赫兹) Dissipation factor (20℃, 120Hz)	产品型号 Part No	V.DC	Cpa (uF)	外壳尺寸 Case Size φD±1×L±2mm	纹波电流 arms/105℃ Ripple current Arms 105℃, 120Hz	损耗角正切值 (20℃, 120赫兹) Dissipation factor (20℃, 120Hz)	产品型号 Part No	
350	270	22 × 40	1.10	0.15	350SEM271M2240YZB	400	390	25 × 50	1.55	0.15	400SEM391M2550YZB	
	270	25 × 35	1.10	0.15	350SEM271M2535YZB		390	30 × 35	1.55	0.15	400SEM391M3035YZB	
	270	30 × 25	1.10	0.15	350SEM271M3025YZB		390	30 × 40	1.55	0.15	400SEM391M3040YZB	
	330	22 × 45	1.20	0.15	350SEM331M2245YZB		390	35 × 30	1.55	0.15	400SEM391M3530YZB	
	330	25 × 40	1.20	0.15	350SEM331M2540YZB		470	30 × 45	1.68	0.15	400SEM471M3045YZB	
	330	30 × 30	1.20	0.15	350SEM331M3030YZB		470	35 × 35	1.68	0.15	400SEM471M3535YZB	
	390	25 × 45	1.30	0.15	350SEM391M2545YZB		560	30 × 45	1.90	0.15	400SEM561M3045YZB	
	390	30 × 30	1.30	0.15	350SEM391M3030YZB		560	30 × 50	1.90	0.15	400SEM561M3050YZB	
	390	30 × 35	1.30	0.15	350SEM391M3035YZB		560	35 × 40	1.90	0.15	400SEM561M3540YZB	
	470	25 × 50	1.40	0.15	350SEM471M2550YZB		680	35 × 45	2.12	0.15	400SEM681M3545YZB	
	470	30 × 35	1.40	0.15	350SEM471M3035YZB		820	35 × 50	2.30	0.15	400SEM821M3550YZB	
	470	35 × 30	1.40	0.15	350SEM471M3530YZB		420	100	22 × 25	0.70	0.15	420SEM101M2225YZB
	560	30 × 40	1.50	0.15	350SEM561M3040YZB			120	22 × 30	0.74	0.15	420SEM121M2230YZB
	560	30 × 45	1.50	0.15	350SEM561M3045YZB			120	25 × 25	0.74	0.15	420SEM121M2525YZB
	560	35 × 35	1.50	0.15	350SEM561M3535YZB			150	22 × 35	0.84	0.15	420SEM151M2235YZB
	680	30 × 45	1.70	0.15	350SEM681M3045YZB			150	25 × 30	0.84	0.15	420SEM151M2530YZB
	680	30 × 50	1.70	0.15	350SEM681M3050YZB			180	22 × 40	0.91	0.15	420SEM181M2240YZB
	680	35 × 40	1.70	0.15	350SEM681M3540YZB			180	25 × 30	0.91	0.15	420SEM181M2530YZB
	820	35 × 45	1.90	0.15	350SEM821M3545YZB			180	30 × 25	0.91	0.15	420SEM181M3025YZB
	1000	35 × 50	1.90	0.15	350SEM102M3550YZB			220	22 × 45	1.05	0.15	420SEM221M2245YZB
400	100	22 × 25	0.70	0.15	400SEM101M2225YZB	220		25 × 35	1.05	0.15	420SEM221M2535YZB	
	120	22 × 30	0.75	0.15	400SEM121M2230YZB	220		30 × 25	1.05	0.15	420SEM221M3025YZB	
	150	22 × 30	0.88	0.15	400SEM151M2230YZB	270		22 × 50	1.20	0.15	420SEM271M2250YZB	
	150	25 × 25	0.88	0.15	400SEM151M2525YZB	270		25 × 40	1.20	0.15	420SEM271M2540YZB	
	180	22 × 35	0.95	0.15	400SEM181M2235YZB	270		30 × 30	1.20	0.15	420SEM271M3030YZB	
	180	25 × 30	0.95	0.15	400SEM181M2530YZB	270		35 × 25	1.20	0.15	420SEM271M3525YZB	
	220	22 × 40	1.10	0.15	400SEM221M2240YZB	330		25 × 45	1.42	0.15	420SEM331M2545YZB	
	220	22 × 45	1.10	0.15	400SEM221M2245YZB	330		25 × 50	1.42	0.15	420SEM331M2550YZB	
	220	25 × 35	1.10	0.15	400SEM221M2535YZB	330		30 × 35	1.42	0.15	420SEM331M3035YZB	
	220	30 × 25	1.10	0.15	400SEM221M3025YZB	330		35 × 35	1.42	0.15	420SEM331M3535YZB	
	270	22 × 45	1.22	0.15	400SEM271M2245YZB	390		30 × 40	1.55	0.15	420SEM391M3040YZB	
	270	22 × 50	1.22	0.15	400SEM271M2250YZB	390	35 × 30	1.55	0.15	420SEM391M3530YZB		
	270	25 × 40	1.22	0.15	400SEM271M2540YZB	390	35 × 35	1.55	0.15	420SEM391M3535YZB		
	270	30 × 30	1.22	0.15	400SEM271M3030YZB	470	30 × 45	1.71	0.15	420SEM471M3045YZB		
	270	35 × 25	1.22	0.15	400SEM271M3525YZB	470	35 × 35	1.71	0.15	420SEM471M3535YZB		
	330	25 × 45	1.44	0.15	400SEM331M2545YZB	560	30 × 50	1.90	0.15	420SEM561M3050YZB		
	330	30 × 30	1.44	0.15	400SEM331M3030YZB	560	35 × 40	1.90	0.15	420SEM561M3540YZB		
	330	30 × 35	1.44	0.15	400SEM331M3035YZB	560	35 × 45	1.90	0.15	420SEM561M3545YZB		
	330	35 × 30	1.44	0.15	400SEM331M3530YZB							

SEM

标准品一览表、额定纹波电流

TYPICAL DIMENSIONS、RATED RIPPLE CURRENT

V.DC	Cpa (μ F)	外壳尺寸 Case Size $\phi D \pm 1 \times L \pm 2$ mm	纹波电流 arms/105℃ Ripple current Arms 105℃, 120Hz	损耗角正切值 (20℃, 120赫兹) Dissipation factor (20℃, 120Hz)	产品型号 Part No
420	680	35 × 45	2.10	0.15	420SEM681M3545YZB
	680	35 × 50	2.10	0.15	420SEM681M3550YZB
450	100	22 × 30	0.64	0.2	450SEM101M2230YZB
	100	25 × 25	0.64	0.2	450SEM101M2525YZB
	120	22 × 35	0.72	0.2	450SEM121M2235YZB
	120	25 × 30	0.72	0.2	450SEM121M2530YZB
	150	22 × 35	0.79	0.2	450SEM151M2235YZB
	150	22 × 40	0.79	0.2	450SEM151M2240YZB
	150	25 × 30	0.79	0.2	450SEM151M2530YZB
	150	30 × 25	0.79	0.2	450SEM151M3025YZB
	180	22 × 45	0.87	0.2	450SEM181M2245YZB
	180	25 × 35	0.87	0.2	450SEM181M2535YZB
	180	25 × 40	0.87	0.2	450SEM181M2540YZB
	180	30 × 25	0.87	0.2	450SEM181M3025YZB
	180	30 × 30	0.87	0.2	450SEM181M3030YZB
	220	22 × 50	1.00	0.2	450SEM221M2250YZB
	220	25 × 40	1.00	0.2	450SEM221M2540YZB
	220	25 × 45	1.00	0.2	450SEM221M2545YZB
	220	30 × 30	1.00	0.2	450SEM221M3030YZB
	220	35 × 25	1.00	0.2	450SEM221M3525YZB
	270	25 × 45	1.19	0.2	450SEM271M2545YZB
	270	25 × 50	1.19	0.2	450SEM271M2550YZB
	270	30 × 35	1.19	0.2	450SEM271M3035YZB
	270	30 × 40	1.19	0.2	450SEM271M3040YZB
	270	35 × 30	1.19	0.2	450SEM271M3530YZB
	330	25 × 50	1.38	0.2	450SEM331M2550YZB
	330	30 × 40	1.38	0.2	450SEM331M3040YZB
	330	30 × 45	1.38	0.2	450SEM331M3045YZB
	330	35 × 30	1.38	0.2	450SEM331M3530YZB
	330	35 × 35	1.38	0.2	450SEM331M3535YZB
	390	30 × 45	1.55	0.2	450SEM391M3045YZB
	390	30 × 50	1.55	0.2	450SEM391M3050YZB
	390	35 × 35	1.55	0.2	450SEM391M3535YZB
	390	35 × 40	1.55	0.2	450SEM391M3540YZB
470	30 × 50	1.74	0.2	450SEM471M3050YZB	
470	35 × 40	1.74	0.2	450SEM471M3540YZB	
470	35 × 45	1.74	0.2	450SEM471M3545YZB	
560	35 × 50	1.90	0.2	450SEM561M3550YZB	

●重要说明 Important note

- ◆KAOUNE并不了解每一个客户对产品的应用，也不比客户更了解他们对产品的应用。因此，客户负有最终的责任，根据其整机电路参数选择适合其的KAOUNE产品，并根据KAOUNE产品参数判定其是否适用。
- ◆我们也毫不避讳地指出，即使在正常的应用条件下无源电子元器件仍有可能在使用寿命结束前出现故障或失效。这在目前的技术水平下是无法完全排除的。因此，对于操作安全水平要求非常高的应用场合，特别是当无源电子元器件出现故障时可能会危及人身安全或健康的情况下，客户必须适当设计其应用装置或由客户采取措施（如安全保护性电路或冗余），确保在无源电子元件出现故障时，第三方不会受到伤害或损害。
- ◆我们的工程师持续不断地致力于改善产品。因此，本出版物所述产品可能会发生变化。所以，订货之前或订货的时候请咨询我们的销售工程师本出版物的产品说明和规格在多大程度上是适用的。我们保留产品尺寸及技术参数发生变更的权利。因此，我们不保证任何时候均可购买到本出版物所列全部产品。
- ◆由于客户的应用领域、安装尺寸、回路参数要求千差万别，对于同一电压同一容值的电容器亦是如此。因此，建议在订货前尽可能详尽地提供您所要求的信息，包括但不限于电压、容值、外形尺寸、安装尺寸及本出版物中《订货信息一览表》中所列明的项目。
- ◆KAOUNE do not understand each client on the application of the product, nor more than customers about their products. Customers have the ultimate responsibility to select suitable KAOUNE products for their whole circuit parameters, and under KAOUNE products parameters determine its applicability.
- ◆We also forthrightly pointed out that even in normal conditions of passive electronic components, it is still will failure or breakdown before the end of its useful life. And it cannot be completely excluded in the current level of technology. Therefore, requires a high level of operational safety applications, especially when passive electronic components failure could endanger the personal safety or health of the case, The customer must be properly designed appliance or measures taken by the customer (such as security protective circuitry or redundancy), to ensure when the failure in the passive electronic components, the third party will not harm or damage.
- ◆KAOUNE engineers constantly committed to improve the product. Therefore, the publication of the product may change. Therefore, please consult our sales engineer before order. We reserve the right to change the product dimensions and technical parameters. Therefore, we cannot guarantee that at any time can be purchased to the publications listed all products.
- ◆Due to the customer's applications, installation size, circuit parameters requirements vary widely, as well as the same capacitor values for the same voltage. Therefore, we suggest that provide requested information as much details as possible before order, including but not limited to voltage, capacitance, dimensions, installation size and the other parameters items of order information.

● 敬告和警告 Warning



- ◆ 电容器经过耐压测试后或退出运行后，其上存储的能量足以对人身造成伤害。因此，在接触电容器出线端子之前必须首先经过电阻放电、再短接引出端子，确保残存电荷泄放掉。
- ◆ 金属化薄膜介质电容器不应过多直接短路放电。短路放电试验属于型式试验项目，做过型式试验的产品不宜再正常使用。
- ◆ 进行耐压测试会对其绝缘造成损害，且该损害具备累积效应。
- ◆ 电容器与电路的连接应可靠，避免接触不良引起高频振荡造成电容器过压或过热。
- ◆ 避免电容器暴露于强酸、强碱及其他腐蚀性介质的环境中运行。
- ◆ 避免电容器在充满易燃易爆的气体或尘埃的环境中运行。
- ◆ 避免外部能量传导到电容器内部，如火、热、雷电。
- ◆ 避免电容器过温运行。
- ◆ 避免电容器异常过载。
- ◆ 避免核辐射。

- ◆ After resistant voltage test or out of operation, the capacitor stored energy is sufficient to cause the damage to the human. Therefore, in contact with the capacitor outlet terminals must discharge through the resistor first, and then short-circuited lead terminal, ensure that the residual charge of release.
- ◆ Metalized film dielectric capacitors should not over discharge to the short circuit. Short circuit discharge test are type of pilot projects, the test products are not appropriate to normal use.
- ◆ Excessive resistant voltage capacitor test will damage the insulation, and the damage has a cumulative effect.
- ◆ The capacitor circuit connection should be reliable, to avoid capacitor overvoltage or overheating by high-frequency oscillation because of poor contact.
- ◆ Avoid capacitor is exposed to strong acid, alkali and other corrosive medium environment operate.
- ◆ Avoid the capacitor filled with flammable and explosive gas or dust environment operate.
- ◆ Avoid external energy transmitted to the capacitor internal, such as fire, heat, electricity.
- ◆ Avoid capacitor operate over-temperature.
- ◆ Avoid capacitor abnormal overload.
- ◆ Avoid nuclear radiation.