

SS Series

5mmL(高) , +105°C

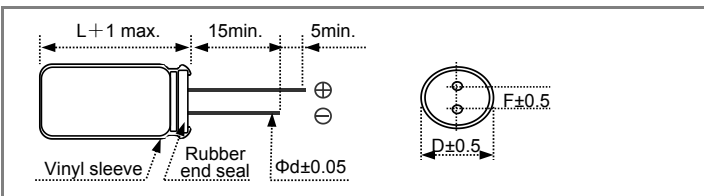
FEATURES 特点

Super miniature,5mmL,high temperature ,suitable for use in electronic circuit of high density assembly of videocorder , remote controller ,VCD etc.

SPECIFICATIONS 规格表

Item 项目	Performance Characteristics 特性参数						
Operation Temperature Range 工作温度范围	-40 to +105°C						
Rated Working Voltage Range 额定电压范围	6.3 to 50 VDC						
Nominal Capacitance Range 静电容量范围	0.1 to 330μF						
Capacitance Tolerance 静电容量允许偏差	±20%(120Hz,+20°C)						
Leakage Current 漏电流	LC≤0.01CV or 3(μA) Whichever is greater measured after 2 minutes application of rated working voltage at +20°C 施加额定工作电压充电2分钟后读数,二者取大值。 [C: 静电容量(μF), V: 额定电压(V)]						
Dissipaom Factor (tan δ) 损失角正切值 (120Hz,+20°C)	Working Voltage(v)	6.3	10	16	25	35	50
	tan δ(max)	0.28	0.24	0.20	0.16	0.13	0.12
Low Temperature characteristics 温度特性(阻抗比)	Impedance ratio max. at 120 Hz 阻抗比最大值						
	Working Voltage(V)	6.3	10	16	25	35	50
	Z(-25°C)/ Z(+20°C)	3	3	2	2	2	2
	Z(-40°C)/ Z(+20°C)	8	5	4	3	3	3
High Temperature Loading (Endurance) 高温负荷寿命(耐久性)	Test conditions 试验条件			Post test requirements at +20°C 试验后特性应满足如下要求			
	Duration 持续时间	1,000 hours		Leakage current 漏电流	≤Initial specified value 初始规格值		
	Ambient temp. 环境温度	+105°C		Cap. Change 静电容量变化率	within ±20% of initial measured value 初始测试值的±20%内		
	Applied voltage 施加电压	DC voltage with maximum permissible ripple current specified at +105°C 施加直流电压与额定纹波电流(所加电压峰值[DC+AC]不超过额定工作电压)		D.F.(tan δ) 损失角正切值	≤200% of initial specified value 2倍初始规格值		
				Before test requirement: Resumed 16 hours at normal temperature 测试前将电容在常温中放置16小时			
Shelf Life 高温储存寿命	Test conditions 试验条件			Post test requirements at +20°C 试验后特性应满足如下要求			
	Duration 持续时间	1,000 hours		Leakage current 漏电流	≤Initial specified value 初始规格值		
	Ambient temp. 环境温度	+105°C		Cap. Change 静电容量变化率	within ±20% of initial measured value 初始测试值的±20%内		
	Applied voltage 施加电压	(None) 无		D.F.(tan δ) 损失角正切值	≤200% of initial specified value 2倍初始规格值		
Other 其他	JIS C-5101 (IEC 60384)						

CASE SIZE TABLE 尺寸图 (Unit : mm)



ΦD	4	5	6.3	8
F	1.5	2.0	2.5	3.5
Φd	0.45			

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STANDARD RATINGS 标准品一览表

Voltage(Code)		4V(0G)		6.3V(0J)		10V(1A)		16V(1C)	
Cap.(μF)	Code	Case Size	R.C	Case Size	R.C	Case Size	R.C	Case Size	R.C
0.1	0P1								
0.22	P22								
0.33	P33								
0.47	P47								
1	001								
2.2	2P2								
3.3	3P3								
4.7	4P7								
10	010							4×5	18
22	022	4×5	22	4×5	22	4×5	24	5×5	30
33	033	5×5	30	5×5	30	5×5	35	6.3×5	40
47	047	5×5	36	5×5	36	6.3×5	46	5×5	50
100	101	6.3×5	60	6.3×5	60	6.3×5	67	6.3×5	73
220	221			8×5	103	6.3×5	116	8×5	126
330	331			8×5	127				

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size ΦD x L(mm)

Voltage(Code)		25V(1E)		35V(1V)		50V(1H)			
Cap.(μF)	Code	Case Size	R.C	Case Size	R.C	Case Size	R.C		
0.1	0P1					4×5	1		
0.22	P22					4×5	2.6		
0.33	P33					4×5	3.2		
0.47	P47					4×5	3.8		
1	001					4×5	6.2		
2.2	2P2			4×5	7	4×5	11		
3.3	3P3			5×5	11	4×5	14		
4.7	4P7	4×5	13	4×5	15	5×5	19		
10	010	4×5	20	5×5	25	6.3×5	30		
22	022	6.3×5	38	6.3×5	48	8×5	52		
33	033	6.3×5	48	6.3×5	59	8×5	63		
47	047	6.3×5	58	8×5	82				
100	101	8×5	97						

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size ΦD x L(mm)

Multiplier for Ripple Current vs. Frequency 纹波电流频率修正系数

Frequency Coefficient 频率系数

Cap(μF)	50 Hz	120 Hz	300 Hz	1K Hz	10K Hz~
≤47	0.75	1.0	1.35	1.57	2.00
68-330	0.8	1.0	1.23	1.34	1.50

Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately