

SV 标准品

- 5mm 高，微型体积。Be 5mm in height and mini-size
- 适用于照相机、汽车音响、随身听、DVD、对讲机、手机、复读机等
Suitable for camera, car audio, mini-audio sets, DVD, interphone, mobile phone, etc.
- ROHS 指令已对应完毕。Adapted to the ROHS directive.

主要技术性能 Specifications

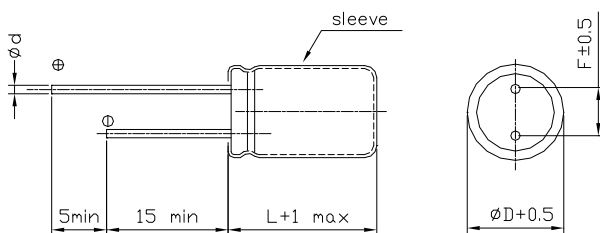
项目 Items	特性 Performance Characteristics							
使用温度范围 Operating temperature range	-40 ~ +85°C							
额定电压范围 Rated voltage range	4 ~ 50V							
标称电容容量范围	0.1~470μF							
标称电容容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20°C)							
漏电流 Leakage current	I ≤ 0.01CV (μA) 或 3μA 2 分钟(at 20°C, after 2 minutes) 取较大者(Whichever is greater)							
损耗角正切值 (tg δ) Dissipation factor (+20°C, 120Hz)	U _R (V)	4	6.3	10	16	25	35	50
	tg δ	0.35	0.24	0.20	0.16	0.14	0.12	0.12
温度特性 Temperature characteristics (Impedance ratio at 120Hz)	U _R (V)	4	6.3	10	16	25	35	50
	Z-25°C / +20°C	7	4	3	2	2	2	2
	Z-40°C / +20°C	15	10	6	4	4	3	3
耐久性 Load life	+85°C 加额定电压 1000 小时，恢复 16 小时后： After applying rated voltage for 1000 hours at +85°C and then resumed for 16 hours: 电容量变化率 Capacitance change : ±25% 初始测量值以内 ±25% of the initial measured value (4V and Ø3: ≤ ±30%) 漏 电 流 Leakage current : ≤ 初始规定值 ≤ the initial specified value 损耗角正切值 Dissipation factor : ≤ 2 倍初始规定值 ≤ 2 times of the initial specified value							
高温贮存 Shelf life	+85°C, 1000 小时贮存后, 恢复 16 小时后： After storage for 1000 hours at +85°C and then resumed for 16 hours 电容量变化率 Capacitance change : ±25% 初始测量值以内 ±25% of the initial measured value (4V and Ø3: ≤ ±30%) 漏 电 流 Leakage current : ≤ 2 倍初始规定值 ≤ 2 times of the initial specified value 损耗角正切值 Dissipation factor : ≤ 2 倍初始规定值 ≤ 2 times of the initial specified value							

频率修正系数 Frequency coefficient

F(Hz) CAP(μF)	60	120	1K	≥10k
0.1~68	0.8	1	1.3	1.5
100~470	0.8	1	1.15	1.2

外形图及尺寸表 Case size table

单位 Unit: mm



D	3	4	5	6.3	8
F	1.0	1.5	2.0	2.5	3.5
d	0.4	0.45			

尺寸 DIMENSIONS

CAP(μF)	WV	4V(0G)		6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	0R1													3×5	1.0
															4×5
0.22	R22													3×5	2.0
															4×5
0.33	R33													3×5	3.0
															4×5
0.47	R47													3×5	3.5
															4×5
1	010													3×5	7
															4×5
2.2	2R2					4×5	6	4×5	7	3×5	8	3×5	8	3×5	10
															4×5
3.3	3R3					4×5	8	4×5	9	3×5	10	4×5	14	4×5	17
4.7	4R7					4×5	12	3×5	13	4×5	16	4×5	18	5×5	20
10	100			3×5	15	3×5	17	3×5	23	5×5	27	5×5	29	6.3×5	33
22	220	3×5	19	3×5	28	3×5	33	4×5	37	5×5	37	6.3×5	46	6.3×5	40
		4×5	22	4×5	32	4×5	36	5×5	40	6.3×5	42	8×5	50	8×5	52
33	330	4×5	28	4×5	37	4×5	41	5×5	49	6.3×5	52	8×5	62	8×5	71
47	470	4×5	33	4×5	45	5×5	52	6.3×5	58	8×5	70	8×5	80		
100	101	5×5	56	5×5	70	5×5	65	6.3×5	80	8×5	110				
						6.3×5	80	8×5	92						
220	221	6.3×5	96	6.3×5	110	6.3×5	105	8×5	135						
						8×5	135								
330	331	8×5	145	8×5	145	8×5	146	8×5	148						
470	471	8×5	185	8×5	210										

Size $\phi D \times L$ (mm)

Maximum Allowable Ripple Current (mA rms) at 85°C 120Hz