

SC 标准品

- 7 (9) mm 高度，通用标准品。7(9) mm height, for general purpose, standard size
- 适用于汽车音响、TV、空调遥控器等电子线路中
Used in car audio, TV, air conditioners circuits remote device, etc.
- ROHS 指令已对应完毕。Adapted to the ROHS directive.

主要技术性能 Specifications

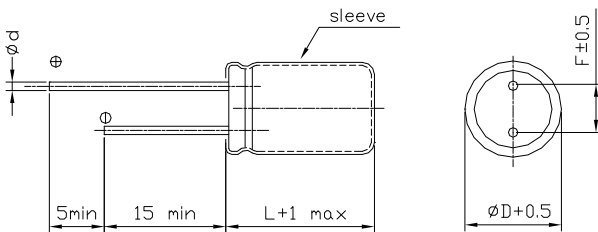
项目 Item	特性 Performance Characteristics							
使用温度范围 Operating temperature range	-40 ~ +85°C							
额定电压范围 Rated voltage range	6.3 ~ 63 V							
标称电容量范围 Nominal capacitance range	0.1 ~ 470μF							
标称电容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20°C)							
漏电流 Leakage current	$I \leq 0.01CV$ or $3(\mu A)$ 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)	6.3	10	16	25	35	50	63
	tg δ	0.22	0.20	0.16	0.14	0.12	0.10	0.10
温度特性 Temperature characteristics (Impedance ratio at 120Hz)	U_R (V)	6.3	10	16	25	35	50	63
	Z-25°C / +20°C	4	3	2	2	2	2	2
	Z-40°C / +20°C	8	6	4	4	3	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 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 ≤2times 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 漏 电 流 Leakage current : ≤2 倍初始规定值 ≤2times of the initial specified value 损耗角正切值 Dissipation factor : ≤2 倍初始规定值 ≤2times of the initial specified value							

频率修正 单位Unit: mm

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	4	5	6.3	8
F	1.5	2.0	2.5	3.5
d	0.45		0.5	

尺寸 DIMENSIONS

CAP(μF)		WV	6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)		63V(1J)	
			Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	0R1												4×7	1.2		
0.22	R22												4×7	2.5		
0.33	R33												4×7	3.5		
0.47	R47												4×7	5.0		
1	010					4×7	7						4×7	10	4×7	12
2.2	2R2										4×7	13	4×7	17	4×7	18
3.3	3R3							4×7	13	4×7	18	4×7	23	5×7	25	
4.7	4R7					4×7	16	4×7	20	4×7	22	4×7	24	5×7	26	
10	100			4×7	21	4×7	28	4×7	30	4×7	31	5×7	34	6.3×7	48	
										5×7	33	6.3×7	45			
22	220	4×7	35	4×7	36	4×7	40	5×7	50	6.3×7	55	6.3×7	58			
33	330	4×7	40	4×7	43	4×7	45	5×7	52	6.3×7	65	6.3×7	53			
						5×7	55			8×7	75	8×7	80			
												8×9	90			
47	470	4×7	44	4×7	51	5×7	65	5×7	45	6.3×7	68	8×9	100			
				5×7	58	6.3×7	75	6.3×7	70	8×7	90					
100	101	5×7	75	5×7	80	6.3×7	95	6.3×7	75	8×7	120					
								8×7	115							
								8×9	126							
220	221	6.3×7	120	6.3×7	135	8×7	160									
						8×9	180									
330	331	8×7	160	8×7	180	8×7	180									
		8×9	176	8×9	198											
470	471	8×7	180	8×7	185											
		8×9	198	8×9	203											

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

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