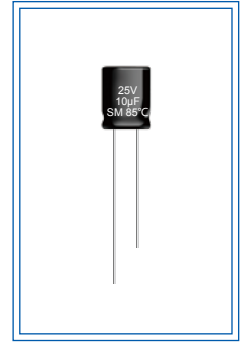


SM 标准品 (CD50C)

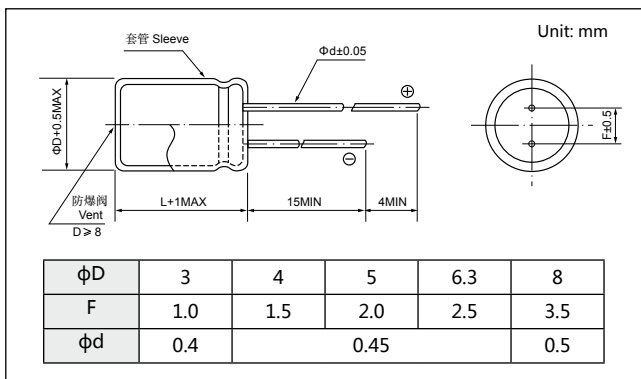
- 5mm 高，微型体积，85°C 1000 小时。Be 5mm in height and mini-size, 85°C 1000 hrs.
- 适用于照相机、汽车音响、随身听、DVD、对讲机、手机、复读机等。
Suitable for camera, car audio, mini-audio sets, DVD, interphone, mobile phone, etc.
- 符合 RoHS。RoHS Compliant.



主要技术性能 Specifications

项目 Item	特性 Performance Characteristics							
工作温度范围 Operating Temperature Range	-40~+85°C							
额定电压范围 Rated Voltage Range	4~50V							
标称电容范围 Nominal Capacitance Range	0.1~470µF							
标称电容允许偏差 Capacitance Tolerance	±20%(+20°C, 120Hz)							
漏电流 Leakage Current	I ≤ 0.01CV or 3 (µA) 2 分钟 (at 20°C, after 2 minutes) 取较大者 (whichever is greater)							
损耗角正切值 (tgδ) Dissipation Factor (+20°C, 120Hz)	U _R (V)	4	6.3	10	16	25	35	50
	tgδ	0.35	0.26	0.22	0.18	0.16	0.14	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	8	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 16 hours: 电容变化率 Capacitance change : ±25% 初始测量值以内 ±25% of the initial measured value(4V and φ3: ≤ ±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 ≤ 200% 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 16 hours: 电容变化率 Capacitance change : ±25% 初始测量值以内 ±25% of the initial measured value(4V and φ3: ≤ ±30%) 漏电流 Leakage current : ≤ 2 倍初始规定值 ≤ 200% of the initial specified value 损耗角正切值 Dissipation factor : ≤ 2 倍初始规定值 ≤ 200% of the initial specified value							

外形图及尺寸 Diagram of Dimensions



纹波电流修正系数 Multiplier for Ripple Current

频率系数 Frequency coefficient

Frequency(Hz)	60	120	1k	≥ 10k
Cap(µF)				
0.1~68	0.8	1.0	1.3	1.5
100-470	0.8	1.0	1.15	1.2

额定值标准 Standard Size

Cap.(μ F)	V(Code) Code	4V (0G)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
0.1	0R1													4(3) \times 5	1.0
0.22	R22													4(3) \times 5	2.0
0.33	R33													4(3) \times 5	2.8
0.47	R47													4(3) \times 5	4.0
1	010													4(3) \times 5	8.4
2.2	2R2											3 \times 5	8.4	4(3) \times 5	13
3.3	3R3									3 \times 5	10	4 \times 5	14	4 \times 5	17
4.7	4R7							3 \times 5	13	4 \times 5	16	4 \times 5	18	5 \times 5	20
10	100			3 \times 5	15	3 \times 5	17	3 \times 5	23	5 \times 5	27	5 \times 5	29	6 \times 5	33
22	220	3 \times 5	19	3 \times 5	28	3 \times 5	33	4 \times 5	37	6 \times 5	42	6 \times 5	46	8 \times 5	52
33	330	4 \times 5	28	4 \times 5	37	4 \times 5	41	5 \times 5	49	6 \times 5	52	8 \times 5	62	8 \times 5	71
47	470	4 \times 5	33	4 \times 5	45	5 \times 5	52	6 \times 5	58	8 \times 5	70	8 \times 5	80		
100	101	5 \times 5	56	5 \times 5	70	6 \times 5	80	8 \times 5	92	8 \times 5	110				
220	221	6 \times 5	96	6 \times 5	110	8 \times 5	135	8 \times 5	92						
330	331	8 \times 5	145	8 \times 5	170			8 \times 5	90						
470	471	8 \times 5	185	8 \times 5	210										

额定纹波电流 Rated ripple current(mA, +85°C, 120Hz)

可根据客户需要定制产品 Customer products are available on request.