

VS

特点 Features

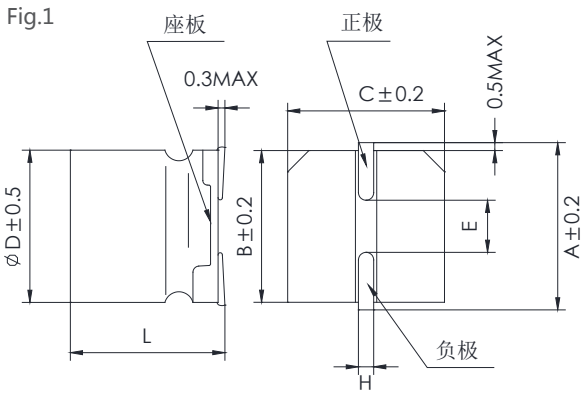
- 保证85°C 2000小时。Endurance 2000h at 85°C.
- 额定电压范围：6.3~100V。Rated Voltage Range:6.3~100V.
- 标准品。Standard Type.
- 满足RoHS。RoHS Compliant.



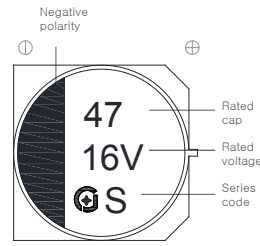
主要技术性能 Specifications

项目 Items	特性 Performance Characteristics											
类别温度范围 Category Temperature Range	-40~+85°C											
额定电压范围 Rated Voltage(U _R)	6.3~100V											
标称电容容量范围 Nominal Capacitance Range(C _R)	0.1~2200μF										120Hz, +20°C	
标称电容容量允许偏差 Allowed Capacitance Tolerance(C _r)	±20%(M)										120Hz, +20°C	
漏电流 Leakage Current(I _L)	≤0.01C _R U _R 或者3μA 取较大值 (Whichever is greater)										+20°C after 2 minutes	
损耗角正切值 Tangent of loss angle(Tanδ)	U _R (V)	6.3	10	16	25	35	50	63	80	100	Max. 120Hz, +20°C	
	Tanδ	0.28	0.24	0.20	0.16	0.14	0.12	0.12	0.10	0.10		
低温特性 Characteristics at Low Temperature	U _R (V)		6.3	10	16	25	35	50	63	80	100	Max. 120Hz
	Z _{-25°C} /Z _{+20°C}	< Φ8	4	3	2	2	2	2	2	2	2	
		≥ Φ8	5	4	3	2	2	2	2	2	2	
	Z _{-40°C} /Z _{+20°C}	< Φ8	8	8	4	4	3	3	3	3	3	
≥ Φ8		10	8	6	4	3	3	3	3	3		
耐久性 Load Life	+85°C, 连续施加额定电压2000小时, 恢复16小时后: After applying rated voltage for 2000 hours at 85°C and then recovery 16 hours:											
	电容量变化率 Capacitance change	±20%初始值以内 Within ±20% of initial value										
	损耗角正切值 Tanδ	≤ 200%初始规定值 Not more than 200% of specified value										
	漏电流 Leakage current	≤ 初始规定值 Not more than 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 recovery 16 hours:											
	电容量变化率 Capacitance change	±20%初始值以内 Within ±20% of initial value										
	损耗角正切值 Tanδ	≤ 200%初始规定值 Not more than 200% of specified value										
	漏电流 Leakage current	≤ 初始规定值 Not more than specified value										
耐焊接热 Resistance to Soldering Heat	在250°C的条件下, 电容器在热板上保持30秒, 然后从热板上取出电容器, 让其在室温下恢复, 电容器应满足以下要求: The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the following requirement.											
	电容量变化率 Capacitance change	±10%初始值以内 Within ±10% of initial value										
	损耗角正切值 Tanδ	≤初始规定值 Not more than specified value										
	漏电流 Leakage current	≤ 初始规定值 Not more than specified value										

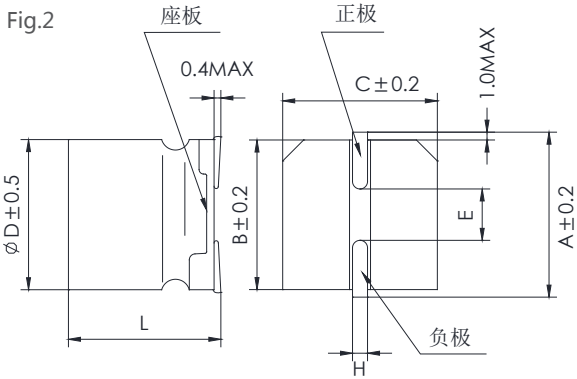
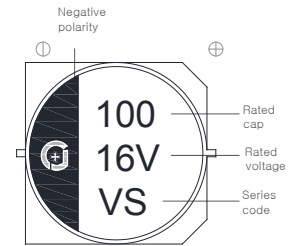
尺寸图 Dimensional drawings



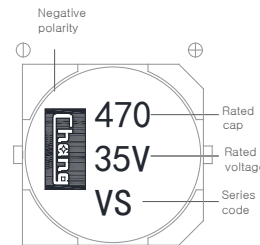
Marking
ΦD=4~5mm



ΦD=6.3~10.2mm



ΦD=12.5mm



尺寸表 Size table

单位 Unit: mm

ΦD	L	A	B	C	E±0.2	H	Fig.No.
4	5.4 ^{+0.2} _{-0.1}	5.0	4.3	4.3	1.0	0.5~0.8	1
4	5.8±0.3	5.0	4.3	4.3	1.0		
5	5.4 ^{+0.2} _{-0.1}	6.0	5.3	5.3	1.3		
5	5.8±0.3	6.0	5.3	5.3	1.3		
6.3	5.4 ^{+0.2} _{-0.1}	7.3	6.6	6.6	2.2		
6.3	5.8±0.3	7.3	6.6	6.6	2.2		
6.3	7.7±0.3	7.3	6.6	6.6	2.2	0.8~1.1	
8	6.5±0.5	8.9	8.3	8.3	2.3		
8	10/10.5±0.5	9.0	8.3	8.3	3.1		
10	10/10.5±0.5	11.0	10.3	10.3	4.5		
10	12.5±0.5	11.0	10.3	10.3	4.5	1.1~1.4	2
12.5	13.5±0.5	13.6	13	13	4.5		
12.5	16±0.5	13.6	13	13	4.5		

规格特性表
Table of specifications and characteristics

C _R (μF) \ U _R (V)	6.3V		10V		16V		25V		35V	
	ΦDxL mm*mm	I _{ACR} 120Hz 85°C mA	ΦDxL mm*mm	I _{ACR} 120Hz 85°C mA	ΦDxL mm*mm	I _{ACR} 120Hz 85°C mA	ΦDxL mm*mm	I _{ACR} 120Hz 85°C mA	ΦDxL mm*mm	I _{ACR} 120Hz 85°C mA
4.7							4*5.4	20	4*5.4	20
10					4*5.4	26	4*5.4	24	4*5.4	24
22	4*5.4	31	4*5.4	30	4*5.4	22	5*5.4	38	5*5.4	39
33	5*5.4	44	5*5.4	48	5*5.4	45	5*5.4	46	6.3*5.4	65
47	5*5.4	52	5*5.4	47	5*5.4	52	6.3*5.4	70	6.3*5.8	76
100	6.3*5.4	89	6.3*5.4	98	6.3*5.4	103	6.3*7.7	143	6.3*7.7	132
220	6.3*5.4	91	6.3*5.8	120	6.3*7.7	162	8*10.5	230	8*10.5	200
330	6.3*7.7	188	6.3*7.7	160					10*10.5	360
470	8*10.5	380	8*10.5	390	8*10.5	350	10*10.5	380	12.5*13.5	600
680	8*10.5	370			10*10.5	440	12.5*13.5	700	12.5*13.5	690
1000	10*10.5	700	10*10.5	580	12.5*13.5	780	12.5*13.5	760		
2200	10*12.5	820								

C _R (μF) \ U _R (V)	50V		63V		80V		100V	
	ΦDxL mm*mm	I _{ACR} 120Hz 85°C mA	ΦDxL mm*mm	I _{ACR} 120Hz 85°C mA	ΦDxL mm*mm	I _{ACR} 120Hz 85°C mA	ΦDxL mm*mm	I _{ACR} 120Hz 85°C mA
0.1	4*5.4	3.2						
0.22	4*5.4	4.7						
0.33	4*5.4	5.7						
0.47	4*5.4	6.8						
1	4*5.4	10						
2.2	4*5.4	15						
3.3	4*5.4	18						
4.7	5*5.4	25	5*5.4	20				
10	5*5.4	41	6.3*5.4	32	6.3*7.7	62	6.3*7.7	50
22	6.3*5.4	71	6.3*7.7	60	8*10.5	102	8*10.5	90
47	6.3*7.7	105	8*10.5	120	10*10.5	140	10*10.5	123
100	8*10.5	200	10*10.5	180			12.5*13.5	450
220	10*10.5	320	12.5*13.5	510				
330	12.5*13.5	620						

额定纹波电流频率修正系数
Frequency correction factor for ripple current

Frequency (Hz)	50	120	300	1K	≥10K
Coefficient (kf)	0.70	1.00	1.17	1.36	1.50