

VK

特点 Features

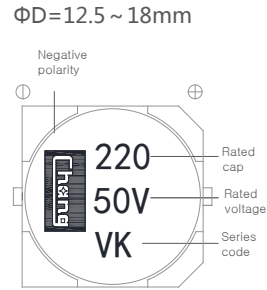
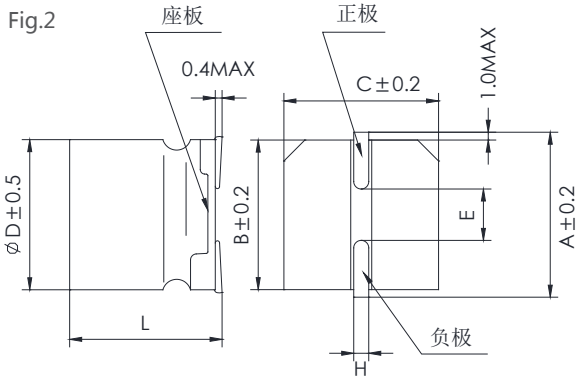
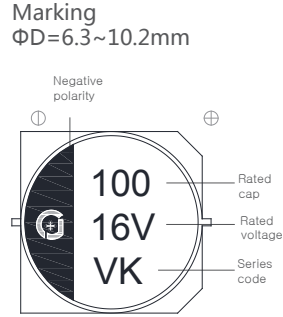
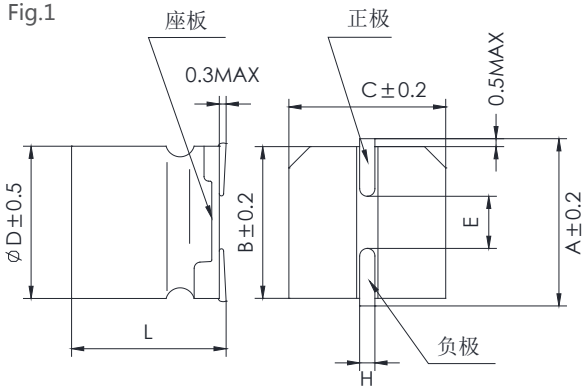
- 保证125°C 1000~2000小时。Endurance 1000~2000h at 125°C.
- 额定电压范围：10~50V。Rated Voltage Range:10~50v.
- 高温长寿命品。High temperature, Long life Type.
- 满足RoHS。RoHS Compliant.



主要技术性能 Specifications

项目 Items	特性 Performance Characteristics																			
类别温度范围 Category Temperature Range	-40°C ~ +125°C																			
额定电压范围 Rated Voltage(U _R)	10 ~ 50V																			
标称容量范围 Nominal Capacitance Range(C _R)	10 ~ 4700μF	120Hz, +20°C																		
标称容量允许偏差 Allowed Capacitance Tolerance(C _T)	±20%(M)	120Hz, +20°C																		
漏电流 Leakage Current(I _L)	Φ6.3-10.2 : I _L ≤ 0.01C _R U _R 或者3μA 取较大值 (Whichever is greater) Φ12.5-18 : I _L ≤ 0.03C _R U _R 或者4μA 取较大值 (Whichever is greater)																			
损耗角正切值 Tangent of loss angle(Tanδ)	<table border="1"> <tr> <td>U_R(V)</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Tanδ</td> <td>0.30</td> <td>0.24</td> <td>0.20</td> <td>0.17</td> <td>0.14</td> </tr> </table>	U _R (V)	10	16	25	35	50	Tanδ	0.30	0.24	0.20	0.17	0.14	+20°C after 2 minutes Max. 120Hz, +20°C						
U _R (V)	10	16	25	35	50															
Tanδ	0.30	0.24	0.20	0.17	0.14															
低温特性 Characteristics at Low Temperature	<table border="1"> <tr> <td>U_R(V)</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Z_{-25°C} / Z_{+20°C}</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> <td>3</td> </tr> <tr> <td>Z_{-40°C} / Z_{+20°C}</td> <td>12</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> </tr> </table>	U _R (V)	10	16	25	35	50	Z _{-25°C} / Z _{+20°C}	6	5	4	3	3	Z _{-40°C} / Z _{+20°C}	12	8	6	4	4	Max. 120Hz
U _R (V)	10	16	25	35	50															
Z _{-25°C} / Z _{+20°C}	6	5	4	3	3															
Z _{-40°C} / Z _{+20°C}	12	8	6	4	4															
耐久性 Load Life	+125°C, 连续施加额定电压1000~2000小时, 恢复16小时后: After applying rated voltage for 1000~2000 hours at 125°C and then recovery 16 hours:																			
	规定时间 Specified time	Φ6.3:1000小时 Φ8~Φ18:2000小时																		
	容量变化率 Capacitance change	±30%初始值以内 Within ±30% of initial value																		
	损耗角正切值 Tanδ	≤ 300%初始规定值 Not more than 300% of specified value																		
高温贮存 Shelf Life	+125°C, 1000小时贮存后, 恢复16小时后: After storage for 1000 hours at +125°C and then recovery 16 hours:																			
	容量变化率 Capacitance change	±30%初始值以内 Within ±30% of initial value																		
	损耗角正切值 Tanδ	≤ 300%初始规定值 Not more than 300% 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.																			
	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



尺寸表 Size table

单位 Unit: mm

ϕD	L	A	B	C	E ± 0.2	H	Fig.No.
6.3	5.8 ± 0.3	7.3	6.6	6.6	2.2	0.5~0.8	1
6.3	7.7 ± 0.3	7.3	6.6	6.6	2.2		
8	6.5 ± 0.5	8.9	8.3	8.3	2.3	0.8~1.1	
8	10.5 ± 0.5	9.0	8.3	8.3	3.1		
10	10.5 ± 0.5	11.0	10.3	10.3	4.5	1.1~1.4	
10	12.5 ± 0.5	11.0	10.3	10.3	4.5		
12.5	13.5 ± 0.5	13.6	13	13	4.5	2	
12.5	16 ± 0.5	13.6	13	13	4.5		
16	16.5 ± 0.5	18.0	17	17	6.4		
16	21.5 ± 0.5	18.0	17	17	6.4		
18	16.5 ± 0.5	20.0	19	19	6.4		
18	21.5 ± 0.5	20.0	19	19	6.4		

规格特性表

Table of specifications and characteristics

C _r (μF)	U _r (V)	10V		16V		25V		35V		50V	
		ΦDxL mm*mm	I _{ACR} 120Hz 125°C mA	ΦDxL mm*mm	I _{ACR} 120Hz 125°C mA	ΦDxL mm*mm	I _{ACR} 120Hz 125°C mA	ΦDxL mm*mm	I _{ACR} 120Hz 125°C mA	ΦDxL mm*mm	I _{ACR} 120Hz 125°C mA
10								6.3*5.8	50	6.3*5.8	35
22						6.3*5.8	50	6.3*5.8	50	6.3*7.7	40
33				6.3*5.8	50	6.3*5.8	50	6.3*7.7	75	8*10.5	70
47				6.3*5.8	50	6.3*7.7	75	6.3*7.7	75	8*10.5	70
68		6.3*5.8	50	6.3*7.7	75	6.3*7.7	75			10*10.5	100
100		6.3*7.7	75	6.3*7.7	75	8*10.5	130	8*10.5	130	12.5*13.5	180
220		8*10.5	130	8*10.5	130	10*10.5	180	10*10.5	180	12.5*16	210
330		8*10.5	130	10*10.5	180	12.5*13.5	480	12.5*13.5	480	16*16.5	330
470		10*10.5	180	12.5*13.5	480	12.5*13.5	480	16*16.5	650	16*16.5	330
1000		12.5*13.5	480	12.5*13.5	480			16*16.5	650	18*16.5	440
1500		12.5*16	585	12.5*16	585			16*16.5	650		
2200		12.5*16	585	16*16.5	650			18*16.5	855		
3300		16*16.5	650	18*16.5	855						
4700		18*16.5	855								

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