

GE

特点 Features

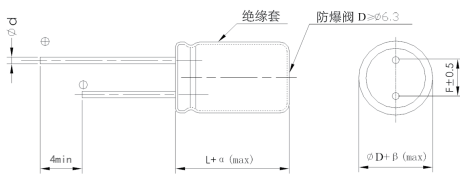
- 保证105°C 2000小时。Endurance :2000h at 105°C.
- 额定电压范围：6.3~25V。Rated Voltage Range: 6.3~25V.
- 高纹波,超低阻抗。High ripple current, Super low ESR
- 满足RoHS。RoHS Compliant.



主要技术性能 Specifications

项目 Items	特性 Performance Characteristics											
类别温度范围 Category Temperature Range	-40~+105°C											
额定电压范围 Rated Voltage(U _R)	6.3~25V											
标称容量范围 Nominal Capacitance Range(C _R)	220~4700μF	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)	≤0.01C _R U _R 或者3μA 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>6.3</td> <td>10</td> <td>16</td> <td>25</td> </tr> <tr> <td>Tanδ</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> </tr> </table> <p>当容量大于1000μF时,每增加1000μF,其损耗角正切值增加0.02 When nominal capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase.</p>	U _R (V)	6.3	10	16	25	Tanδ	0.22	0.19	0.16	0.14	Max. 120Hz, +20°C
U _R (V)	6.3	10	16	25								
Tanδ	0.22	0.19	0.16	0.14								
低温特性 Characteristics at low temperature	<table border="1"> <tr> <td>U_R (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> </tr> <tr> <td>Z_{-40°C} / Z_{-20°C}</td> <td>8</td> <td>6</td> <td>6</td> <td>4</td> </tr> </table>	U _R (V)	6.3	10	16	25	Z _{-40°C} / Z _{-20°C}	8	6	6	4	Max. 120Hz
U _R (V)	6.3	10	16	25								
Z _{-40°C} / Z _{-20°C}	8	6	6	4								
耐久性 Load life	+105°C, 不超过额定电压的范围下叠加额定纹波电流,连续加载额定电压2000小时,恢复16小时后: Overlay the rated ripple current within the range of rated voltage and continuously load the rated voltage for 2000 hours+105, Recover for 16 hours; 容量变化率Capacitance change : ±25%初始测量值以内 within ±25% of initial value 损耗角正切值 Tanδ : ≤2倍初始规定值 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	+105°C,1000小时贮存后,恢复16小时后: After storage for 1000 hours at +105°C and then recovery 16 hours: 容量变化率Capacitance change : ±25%初始测量值以内 within ±25% of initial value 损耗角正切值 Tanδ : ≤2倍初始规定值 Not more than 200% of specified value 漏电流 Leakage current : ≤2倍初始规定值 Not more than 200% of specified value											

尺寸图 Dimension drawings



单位 Unit: mm

D	5	6.3	8	10	12.5
F	2.0	2.5	3.5	5.0	5.0
d	0.5	0.5、0.6	0.6		

αMAX	ε L < 20 > 1.5
	ε L ≥ 20 > 2.0
βMAX	ε D < 20 > 0.5
	ε D ≥ 20 > 1.0

频率修正系数 Frequency Coefficient

Frequency (Hz)	120	1K	10K	100K
C _R (μF)				
220~4700	0.50	0.80	0.90	1.00

规格特性表

Table of specifications and characteristics

U _R (V)	ΦD×L mm*mm	6.3		10		16		25				
		ESR _{max} 100KHz 25°C Ω	I _{AC,max} 100KHz 105°C mA	ESR _{max} 100KHz 25°C Ω	I _{AC,max} 100KHz 105°C mA	ESR _{max} 100KHz 25°C Ω	I _{AC,max} 100KHz 105°C mA	ESR _{max} 100KHz 25°C Ω	I _{AC,max} 100KHz 105°C mA			
220						6.3×11	0.135	520	8×11.5	0.060	760	
270				8×11.5	0.085	780	8×11.5	0.102	560	8×11.5	0.060	780
330				8×11.5	0.046	820	8×11.5	0.115	540	8×11.5	0.056	780
470	6.3×11	0.095	420	8×11.5	0.046	820	8×11.5	0.052	1036	8×16	0.048	1050
680	8×11.5	0.058	780	8×11.5	0.043	1036	8×16	0.040	1355	10×12.5	0.045	1072
820	8×11.5	0.043	1036	8×11.5	0.043	1036	10×12.5	0.038	1400	10×16	0.038	1200
1000	8×11.5	0.036	1120	10×12.5	0.034	1355	8×20	0.025	1700	10×16	0.023	1818
1200	8×16	0.034	1355	8×20	0.025	1700	10×16	0.023	1818			
1500	8×20	0.032	1700	10×16	0.028	1818	10×20	0.022	2318			
1800	10×12.5	0.030	1400	10×16	0.028	1818	10×20	0.022	2318			
2200	10×16	0.028	1818	10×20	0.025	2318	10×25	0.019	2410			
2200	10×20	0.025	2318	10×25	0.020	2400	12.5×20	0.018	2450			
3300	10×25	0.020	2545									
4700	10×30	0.018	2665									

目录中记载的内容可能未经提示而变更。贵司在购买时请要求提供承认书,并以此为准使用。

The contents recorded in the catalogue might be changed without any reminder.Please ask for providing the datasheet and take it as standard when purchasing.