

RXG

特点 Features

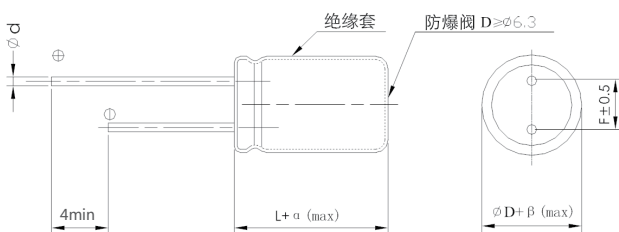
- 保证150°C1500小时。Endurance :1500h at 150°C.
- 额定电压范围：25~80V。Rated Voltage Range: 25~80V.
- 超高温。Extremely high temperature.
- 满足RoHS。RoHS Compliant.
- 满足AEC-Q200。AEC-Q200 Compliant.



主要技术性能 Specifications

项目 Items	特性 Performance Characteristics						
类别温度范围 Category Temperature Range	-40~+150°C						
额定电压范围 Rated Voltage(U _R)	25~80V						
标称电容容量范围 Nominal Capacitance Range(C _R)	56~3900μF					120Hz,+20°C	
标称电容容量允许偏差 Allowed Capacitance Tolerance(C ₁)	±20%(M)					120Hz,+20°C	
漏电流 Leakage Current(I _L)	≤0.03C _R U _R					+20°C after 2 minutes	
损耗角正切值 Tangent of loss angle(Tanδ)	U _R (V)	25	35	50	63	80	Max. 120Hz,+20°C
	Tanδ	0.14	0.12	0.1	0.1	0.08	
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.							
低温特性 Characteristics at low temperature	U _R (V)	25	35	50	63	80	Max. 120Hz
	Z _{-25°C} / Z _{+20°C}	2	2	2	2	2	
	Z _{-40°C} / Z _{+20°C}	4	4	4	4	4	
耐久性 Load life	+150°C，不超过额定电压的范围下叠加额定纹波电流，连续施加表中规定额定电压时间，恢复16小时后： Overlay the rated ripple current within the range of rated voltage, continuously apply the rated voltage specified in the table for a time +150 °C, and recover for 16 hours ;						
	ΦD	10	12.5~18				
电容量变化率 Capacitance change : ±30%初始测量值以内 within ±30% of initial value 损耗角正切值 Tanδ : ≤3倍初始规定值 Not more than 300% of specified value 漏电流 Leakage current : ≤初始规定值 Not more than specified value							
高温贮存 Shelf life	+150°C,1000小时贮存后,恢复16小时后： After storage for 1000 hours at +150°C and then recovery 16 hours:						
	电容量变化率 Capacitance change : ±30%初始测量值以内 within ±30% of initial value 损耗角正切值 Tanδ : ≤3倍初始规定值 Not more than 300% of specified value 漏电流 Leakage current : ≤5倍初始规定值 Not more than 500% of specified value						

尺寸图 Dimension drawings



单位 Unit: mm

D	10	12.5	16	18
F	5.0	5.0	7.5	7.5
d	0.6	0.6	0.8	0.8

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

频率修正系数 Frequency Coefficient

Frequency (Hz)	50	120	1K	10K	100K
Kf	0.40	0.50	0.80	0.90	1.00

规格特性表
Table of specifications and characteristics

U _r (V) C _r (μF)	25		35		50		63		80	
	ΦD×L mm*mm	I _{AC,max} 100KHz 150°C mA	ΦD×L mm*mm	I _{AC,max} 100KHz 150°C mA	ΦD×L mm*mm	I _{AC,max} 100KHz 150°C mA	ΦD×L mm*mm	I _{AC,max} 100KHz 150°C mA	ΦD×L mm*mm	I _{AC,max} 100KHz 150°C mA
56									10×12.5	300
82							10×12.5	320	10×20	480
100							10×16	400	12.5×20	640
150							10×20	540	12.5×25	860
220					10×20	640	12.5×20	700	16×20	940
330					12.5×20	720	12.5×25	800	16×25	1120
470	10×12.5	440	10×16	580	12.5×25	860	16×20	900	18×20	1160
560	10×16	560	10×20	640	12.5×25	940	16×25	1080	18×25	1200
680	10×20	680	10×25	790	16×20	1000	18×20	1140	18×30	1420
820	10×25	810	12.5×20	820	16×25	1120	18×25	1180		
1000	12.5×20	840	12.5×20	900	18×20	1180	18×25	1300		
1200	12.5×20	920	12.5×25	1120	18×25	1440				
1500	12.5×25	1120	16×20	1260						
1800	16×20	1260	16×20	1380						
2200	16×20	1320	16×25	1560						
2700	18×20	1560	18×25	1800						
3300	18×25	1770								
3900	18×25	1925								