

GXZ

特点 Features

- 保证125°C 4000小时。Endurance: 4000h at 125°C.
- 额定电压范围：25V~80V。Rated Voltage Range: 25V~80V.
- 125°C高温长寿命品。125°C High Temperature & Long Life Type.
- 满足RoHS要求。RoHS Compliant.
- 满足AEC-Q200。AEC-Q200 compliant.

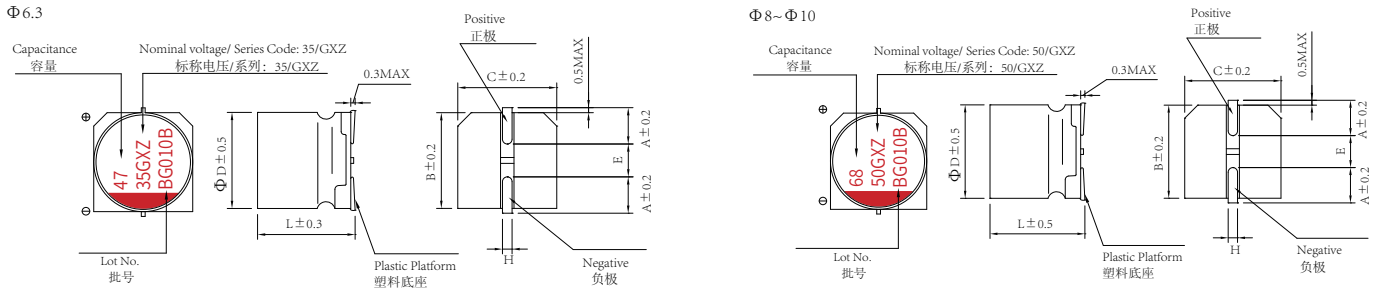


主要技术性能 Specifications

项目 Items	特性 Performance Characteristics						
类别温度范围 Category Temperature Range	-55°C ~ +125°C						
额定电压范围 Rated Voltage (U _R)	25V ~ 80V						
标称容量范围 Nominal Capacitance Range(C _R)	10~330μF					120Hz, +20°C	
标称容量允许偏差 Allowed Capacitance Tolerance(C _T)	±20%					120Hz, +20°C	
漏电流 Leakage Current(I _L)	≤0.05U _R C _R (μA) or 3μA, whichever is greater					+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	0.10	0.08	0.08	
等效串联电阻 Equivalent Series Resistance(ESR)	参照规格表 Reference parameter table					Max. 100KHz, +20°C	
低温特性 Characteristics at low Temperature	Z _{-25°C} /Z _{+20°C} ≤ 1.5 Z _{-55°C} /Z _{+20°C} ≤ 2.0					Max 100KHz	
耐久性 Load Life	+125°C施加额定电压4000小时后，待温度恢复到20°C后进行测试，电容器应满足以下要求： The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 4000 hours at 125.						
	电容量变化率 Capacitance Change	±30%初始测试值以内 Within ±30% of initial measured value					
	损耗角正切 Tangent of loss angle	≤ 200%初始规定值 Not more than 200% of specified value					
	阻抗 Equivalent Series Resistance	≤ 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					
耐湿性负荷 Biased humidity	85°C, 85%湿度环境中，连续加载额定电压2,000小时，电容器应满足以下要求： After applying rated voltage for 2000 hours at 85°C and humidity of 85%, the capacitors shall meet the following criteria.						
	电容量变化率 Capacitance Change	±30%初始测试值以内 Within ±30% of initial measured value					
	损耗角正切 Tangent of loss angle	≤ 200%初始规定值 Not more than 200% of specified value					
	阻抗 Equivalent Series Resistance	≤ 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					

※ 当产生疑问的时候，用以下电压处理后测定。
电压处理：125°C下，连续加载120分钟电压。加载电压为额定电压。
When in doubt, apply the following voltage treatment and measure.
Voltage processing: under the condition of 125 °C ambient temperature, continuous load voltage of 120 minutes. Load voltage is rated voltage.

尺寸图 Dimensional drawings



尺寸表 Size table

单位 Unit: mm

	Φ6.3×5.8	Φ6.3×7.7	Φ8×10.5	Φ10×10.5
A	2.4	2.4	2.9	3.2
B	6.6	6.6	8.3	10.3
C	6.6	6.6	8.3	10.3
E	2.2	2.2	3.1	4.5
L	5.8	7.7	10.5	10.5
H	0.5~0.8		0.8~1.1	

规格特性表
Table of specifications and characteristics

U _r (V)	C _r (μF)	ΦD×L (mm*mm)	Tanδ (120HZ,20°C)	I _L (μA)	ESR (mΩ/at 100k~300kHz)		I _{ACR} (mA/rms at 100kHz, 125°C)	Permissible ripple current (mA)	
					20°C	-55°C		125°C,100kHz	100°C,100kHz
25	56	6.3×5.8	0.14	70	50		900	1490	2110
	100	6.3×7.7	0.14	125	30		1400	2320	3290
	220	8×10.5	0.14	275	27		1600	2650	3760
	330	10×10.5	0.14	412.5	20		2000	3320	4700
35	47	6.3×5.8	0.12	82.25	60		900	1490	2110
	68	6.3×7.7	0.12	119	35		1400	2320	3290
	150	8×10.5	0.12	262.5	27		1600	2650	3760
	270	10×10.5	0.12	472.5	20		2000	3320	4700
50	22	6.3×5.8	0.1	55	80		750	1240	1760
	33	6.3×7.7	0.1	82.5	40		1100	1820	2580
	68	8×10.5	0.1	170	30		1250	2070	2930
	100	10×10.5	0.1	250	28		1600	2650	3760
63	10	6.3×5.8	0.08	31.5	120		700	1160	1640
	22	6.3×7.7	0.08	69.3	80		900	1490	2110
	33	8×10.5	0.08	103.95	40		1100	1820	2580
	56	10×10.5	0.08	176.4	30		1400	2320	3290
80	22	8×10.5	0.08	88	45		1100	1820	2580
	39	10×10.5	0.08	156	35		1200	1990	2820

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

Frequency (KHz)	0.1≤Freq. ≤0.5	0.5 < Freq. ≤1	1 < Freq. ≤5	5 < Freq. ≤10	10 < Freq. ≤50	50 < Freq. < 100	100≤Freq.≤300
Coefficient (Kf)	0.05	0.10	0.3	0.4	0.7	0.9	1