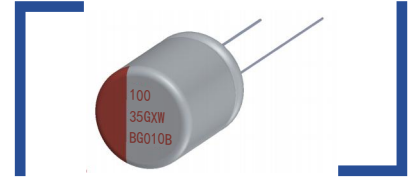


GXW

特点 Features

- 保证105°C 3000小时。Endurance: 3000h at 105°C.
- 额定电压范围: 16~100V。Rated Voltage Range:16~100V.
- 标准品。Standard 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 ~ +105°C					
额定电压范围 Rated Voltage (U _R)	16V ~ 100V					
标称电容范围 Nominal Capacitance Range(C _R)	10 ~ 560μF			120Hz, +20°C		
标称电容允许偏差 Allowed Capacitance Tolerance(C _T)	±20%			120Hz, +20°C		
漏电流 Leakage Current(I _L)	≤0.05U _R C _R (μA)			+20°C After 2 minutes		
损耗角正切值 Tangent of loss angle(Tanδ)	U _R (V)	16~25	35	50	63~100	Max. 120Hz, +20°C
	Tanδ	0.14	0.12	0.10	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	+105°C施加额定电压3000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 3000 hours at 105°C.					
	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				

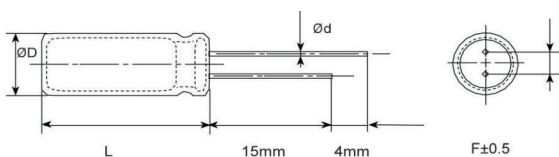
※ 当产生疑问的时候, 用以下电压处理后测定。

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

ΦD(+0.5max)	8	10
F(±0.5)	3.5	5
Φd(±0.05)	0.6	0.6
L	+1.0max	

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,max,20°C)	I _{ACR} (mA/rms at 100kHz,105°C)
16	270	8×12	0.14	216	22	2500
	330	8×16	0.14	264	20	2700
	470	10×12.5	0.14	376	20	2900
	560	10×16	0.14	448	18	3100
20	220	8×12	0.14	220	24	2400
	270	8×16	0.14	270	22	2600
	330	10×12.5	0.14	330	22	2800
	390	10×16	0.14	390	20	3000
25	150	8×12	0.14	187.5	24	2400
	220	8×16	0.14	275	22	2600
	270	10×12.5	0.14	337.5	22	2800
	330	10×16	0.14	412.5	20	3000
35	82	8×12	0.12	143.5	26	2200
	100	8×16	0.12	175	25	2500
	150	10×12.5	0.12	262.5	25	2600
	220	10×16	0.12	385	24	2800
50	47	8×12	0.1	117.5	28	2100
	56	8×16	0.1	140	26	2400
	68	10×12.5	0.1	170	26	2500
	82	10×16	0.1	205	26	2600
63	27	8×12	0.08	85.05	35	1800
	33	8×16	0.08	103.95	32	2200
	47	10×12.5	0.08	148.05	32	2300
	56	10×16	0.08	176.4	30	2600
80	12	8×12	0.08	48	38	1600
	15	8×16	0.08	60	36	1900
	22	10×12.5	0.08	88	36	2000
	27	10×16	0.08	108	34	2200
100	10	8×12	0.08	50	45	1400
	12	8×16	0.08	60	40	1600
	15	10×12.5	0.08	75	40	1800
	22	10×16	0.08	110	38	2000

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