

GV

特点 Features

- 保证 125°C 4000 小时。Endurance:4000h at 125°C.
- 额定电压范围：6.3~80V。Rated Voltage Range:6.3~80V.
- 低漏电流、高可靠性。Low DC Leakage current、High reliability .
- 满足RoHS要求。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	-55°C ~ +125°C							
额定电压范围 Rated Voltage (U _R)	6.3V ~ 80V							
标称电容量范围 Nominal Capacitance Range(C _N)	10~ 2700μF	120Hz, +20°C						
标称电容量允许偏差 Allowed Capacitance Tolerance(C _T)	±20% (M)	120Hz, +20°C						
漏电流 Leakage Current(I _L)	≤0.05C _R U _R							
损耗角正切值 Tangent of loss angle(Tanδ)	<table border="1"> <tr> <td>U_R</td> <td>16~25V</td> <td>35~100V</td> </tr> <tr> <td>Tanδ</td> <td>0.14</td> <td>0.1</td> </tr> </table>	U _R	16~25V	35~100V	Tanδ	0.14	0.1	+20°C After 2 minutes Max. 120Hz, +20°C
U _R	16~25V	35~100V						
Tanδ	0.14	0.1						
等效串联电阻 Equivalent Series Resistance(ESR)	参照规格表 Reference parameter table							
低温特性 Characteristics at low Temperature	$Z_{-25^{\circ}\text{C}}/Z_{+20^{\circ}\text{C}} \leq 1.5$ $Z_{-55^{\circ}\text{C}}/Z_{+20^{\circ}\text{C}} \leq 2.0$	Max 100KHz						
耐久性 Load Life	在125°C环境中，不超过额定电压的范围内叠加额定纹波电流，连续加载额定电压4,000小时，待温度恢复到20°C后进行测试，电容器应满足以下要求： The capacitor shall be subjected to application of the D.C. voltage with full rated ripple current at +125°C for 4000 hours. After stabilizing at 20°C, the capacitor shall not exceed the specified limits. (The sum of DC voltage and ripple peak voltage shall not exceed the rated voltage.)							
	电容量变化率 Capacitance Change	±25%初始测量值以内 Within ±25% 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						
	等效串联电阻 Equivalent Series Resistance	≤ 200%初始规定值 Not more than 200% of specified value						
高温贮存 Shelf Life	在125°C±2°C环境中，无负荷放置1000H后，待温度恢复到20°C后进行测试，电容器应满足以下要求： After storage for 1000 hours at +125°C±2°C with no voltage applied and then being stabilized at +20°C, the capacitors shall not exceed the specified values listed below.							
	电容量变化率 Capacitance Change	±25%初始测量值以内 Within ±25% of initial measured value						
	损耗角正切 Dissipation Factor	≤ 200%初始规定值 Not more than 200% of specified value						
	等效串联电阻 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							

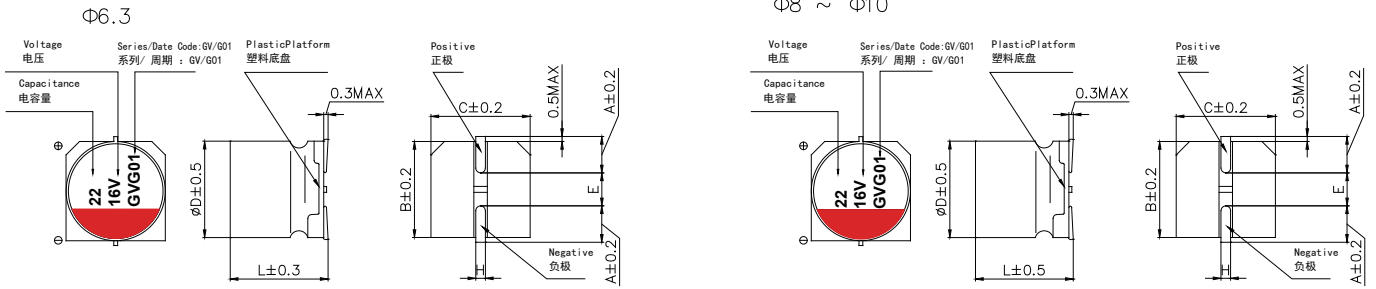
※ 当产生疑问的时候，用以下电压处理后测定。

电压处理: 125°C下，连续加载120 分钟的电压。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

	6.3×5.8	Φ6.3×7.7	Φ8×10.5	Φ10×10.5	Φ10×12.5
A	2.4	2.4	2.9	3.2	3.2
B	6.6	6.6	8.3	10.3	10.3
C	6.6	6.6	8.3	10.3	10.3
E	2.2	2.2	3.1	4.5	4.5
L	5.8	7.7	10.5	10.5	12.5
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 _r (μA)	ESR (mΩ/at 100k~300kHz 20°C max)	I _{ACR} (mA/rms at 100kHz, 125°C)
6.3	150	6.3×5.8	0.14	47.2	35	1300
	150	6.3×7.7	0.14	47.2	22	2100
	220	6.3×5.8	0.14	69.3	35	1300
	220	6.3×7.7	0.14	69.3	22	2400
	330	6.3×5.8	0.14	103.9	35	1500
	390	6.3×5.8	0.14	122.8	35	1500
	560	6.3×7.7	0.14	176.4	22	2500
	1500	8×10.5	0.14	472.5	18	3000
10	2700	10×10.5	0.14	850.5	12	3300
	100	6.3×5.8	0.14	50	40	1100
	120	6.3×5.8	0.10	60	40	1150
	150	6.3×5.8	0.14	75	40	1150
	220	6.3×7.7	0.14	110	25	1800
	270	6.3×5.8	0.14	135	40	1200
	270	6.3×7.7	0.14	135	25	1900
16	470	8×10.5	0.14	235	20	2500
	470	10×10.5	0.14	235	15	2700
	82	6.3×5.8	0.14	65.6	45	950
	150	6.3×5.8	0.14	120	45	1150
	150	6.3×7.7	0.14	120	27	1400
	220	6.3×7.7	0.14	176	27	1400
	270	8×10.5	0.14	216	22	1800
	330	8×10.5	0.14	264	22	1800
	470	10×10.5	0.14	376	18	2200
16	560	8×10.5	0.14	448	22	2000
	560	10×12.5	0.14	448	18	2300
	1000	10×10.5	0.14	800	18	2300

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，并以此为基准使用。

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.

U _R (V)	C _R (μF)	ΦD×L (mm*mm)	Tanδ (120HZ,20°C)	I _L (μA)	ESR (mΩ/at 100k~300kHz 20°C max)	I _{ACR} (mA/rms at 100kHz, 125°C)
16	820	10×12.5	0.14	656	15	2500
	1200	10×12.5	0.14	960	15	2600
25	47	6.3×5.8	0.14	58.7	50	900
	56	6.3×5.8	0.14	70	50	900
	68	6.3×7.7	0.14	85	30	1400
	100	6.3×5.8	0.14	125	50	950
	100	6.3×7.7	0.14	125	30	1400
	150	6.3×7.7	0.14	37.5	30	1500
	150	8×10.5	0.14	187.5	27	1700
	220	8×10.5	0.14	275	27	1700
	270	10×10.5	0.14	337	20	2000
	270	8×12.5	0.14	337.5	25	1800
	330	8×10.5	0.14	412.5	25	1800
	330	10×10.5	0.14	412.5	20	2000
	390	8×12.5	0.14	487.5	23	1900
	470	10×12.5	0.14	587.5	18	2200
	560	10×10.5	0.14	700	20	2100
680	10×12.5	0.14	850	18	2200	
35	47	6.3×5.8	0.1	82.2	60	900
	47	6.3×7.7	0.1	82.2	35	1400
	68	6.3×7.7	0.1	119	35	1400
	100	8×10.5	0.1	175	27	1600
	150	8×10.5	0.1	262.5	27	1600
	150	8×12.5	0.1	262.5	25	1700
	150	10×10.5	0.1	262.5	20	2000
	220	8×12.5	0.1	385	23	1800
	220	10×10.5	0.1	385	20	2000
	270	10×10.5	0.1	472.5	20	2000
	220	10×12.5	0.1	385	20	2200
	330	10×12.5	0.1	577.5	20	2200
50	10	6.3×5.8	0.10	25	80	750
	22	6.3×5.8	0.10	55	80	750
	33	6.3×7.7	0.10	82.5	40	1100
	33	8×10.5	0.10	82.5	30	1250
	39	8×10.5	0.10	97.5	30	1250
	47	8×10.5	0.10	117.5	30	1250
	56	10×10.5	0.10	140	25	1600
	68	8×10.5	0.10	170	30	1250
	82	8×10.5	0.10	205	28	1300
	100	10×10.5	0.10	250	25	1600
	150	10×10.5	0.1	375	25	1600
	120	10×12.5	0.10	300	25	1800
	150	10×12.5	0.10	375	25	1800
	180	10×12.5	0.10	450	25	1800
63	10	6.3×5.8	0.08	31.5	120	700
	10	6.3×7.7	0.08	31.5	80	900
	22	6.3×7.7	0.08	69.3	80	900
	22	8×10.5	0.08	69.3	40	1100

U _R (V)	C _R (μF)	ΦD×L (mm*mm)	Tanδ (120HZ,20°C)	I _i (μA)	ESR (mΩ/at 100k~300kHz 20°C max)	I _{ACR} (mA/rms at 100kHz , 125°C)
63	33	8×10.5	0.08	103.9	40	1100
	33	10×10.5	0.08	103.9	30	1400
	47	8×10.5	0.08	148	40	1100
	47	10×10.5	0.08	148	30	1400
	56	8×12.5	0.08	176.4	35	1400
	56	10×10.5	0.08	176.4	30	1400
	68	10×10.5	0.08	214.2	30	1400
	82	10×10.5	0.08	258.3	30	1500
	82	10×12.5	0.08	258.3	27	1550
	100	10×10.5	0.08	315	30	1550
	120	10×12.5	0.08	378	27	1600
80	22	8×10.5	0.08	88	45	1100
	33	10×10.5	0.08	132	35	1300
	47	10×10.5	0.08	188	35	1300
	47	10×12.5	0.08	188	32	1400
	68	10×12.5	0.08	272	32	1500

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)	0.1	0.3	0.4	0.6	0.75	0.9	1