

### HG series High Voltage/High Reliability



#### Features (特点)

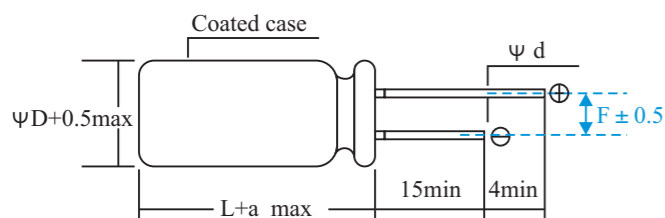
- ★ High voltage and high reliability, Large permissible ripple current (高压电高可靠性，允许大纹波电流).
- ★ Low ESR at high frequency range (在高频范围内的低ESR).
- ★ Applicable to the power circuit and industrial electronic equipment (such as: military products, high-end industrial power, LED lighting drive power supply), can satisfy lead-free soldering conditions. (适用于电源电路及工业电子设备(如：军工产品、高端工业电源、LED照明驱动电源等)，可萍踪无铅焊锡条件).

#### Specifications (产品规格)

item 项目	Performance Characteristics 性能、特点	
Operating Temperature Range 工作温度范围	-55~+105°C	
Rated Voltage Range 额定电压范围	35~50vdc	
Capacitance Tolerance(容量公差)	± 20%(120Hz,+20°C)	
Leakage Current(+20°C,max) 漏电流	≤0.2CV(uA,after 2 minutes) 充电2分钟后漏电≤0.2cv	
Dissipation Factor(损耗系数) (tanδ,at 20°C,120Hz)	Not to exceed the value specified 不超过指定值	
ESR(100KHz)	Not to exceed the value specified 不超过指定值	
Endurance(耐久性) 105°C,2000h,at rated voltage 105°C, 2000h, 不超过额定电压	Capacitance Change	Within ± 20% of the value before test 测试前的值的±20%以内
	Leakage Current	Not to exceed the value specified 不超过指定值
	ESR	Not to exceed 150% of the value specified 不超过指定值的150%
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Moisture Resistance(耐湿性) Stored at 60°C,RH90~95%,2000h 存放在60°C, RH90~95%, 2000h	Capacitance Change	Within ± 20% of the value before test 测试前的值的±20%以内
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#### Srequency Coefficient for Ripple Current (纹波电流的频率系数)

Frequency	120Hz≤freq.<1KHz	1KHz≤freq.<10KHz	10KHz≤freq.<100KHz	100KHz≤freq.<300KHz
Coefficient	0.05	0.3	0.7	1



mm				
φ DXL	φ D+0.5max	a	F±0.5	φ d±0.05
6.3×8	6.3	1.0	2.5	0.6
8×8	8.0	1.0	3.5	0.6
8×11.5	8.0	1.5	3.5	0.6
10×12.0	10	1.5	5.0	0.6

### Dimensions & Characteristics (尺寸及特性)

Ripple Current(mA,rms) at 105°C,100KHz

W.V (V)	Capacitance (uF)	LC. (UA,2min)	tgδ (120Hz,20°C)	ESR (mΩ,100KHz)	Maximun Permissible Current(mA,rms)	Size φ DXL(mm)
35	10	70	0.12	45	2000	6.3×8
	15	105	0.12	45	2000	6.3×8
	22	154	0.12	45	2600	6.3×8
				35	2600	8×8
	33	231	0.12	35	2600	8×8
	39	273	0.12	35	2600	8×8
				30	2980	8×11.5
	47	329	0.12	35	2600	8×8
				30	2980	8×11.5
	56	392	0.12	30	2980	8×11.5
				28	3800	10×12.0
	68	476	0.12	30	2980	8×11.5
				28	3800	10×12.0
	82	574	0.12	30	2980	8×11.5
28				3800	10×12.0	
100	700	0.12	30	2980	8×11.5	
			28	3800	10×12.0	
220	1540	0.12	28	3800	10×12.0	
330	2310	0.12	28	3800	10×12.0	
470	3290	0.12	28	3800	10×12.0	
50	10	100	0.12	45	2000	6.3×8
	15	150	0.12	45	2000	6.3×8
	22	220	0.12	45	2600	8×8
	33	330	0.12	45	2600 / 2700	8×8 / 8×11.5
	39	390	0.12	45	2700 / 2900	8×11.5 / 10×12.0
	47	470	0.12	45	2900	10×12.0
	56	560	0.12	45	2900	10×12.0
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## CDHG series High Voltage/High Reliability



### Features (特点)

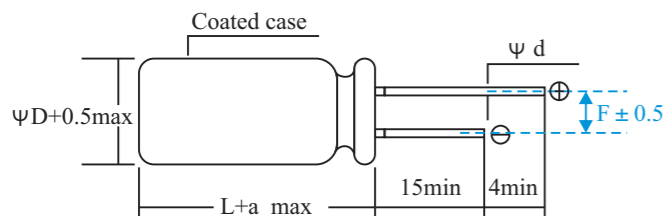
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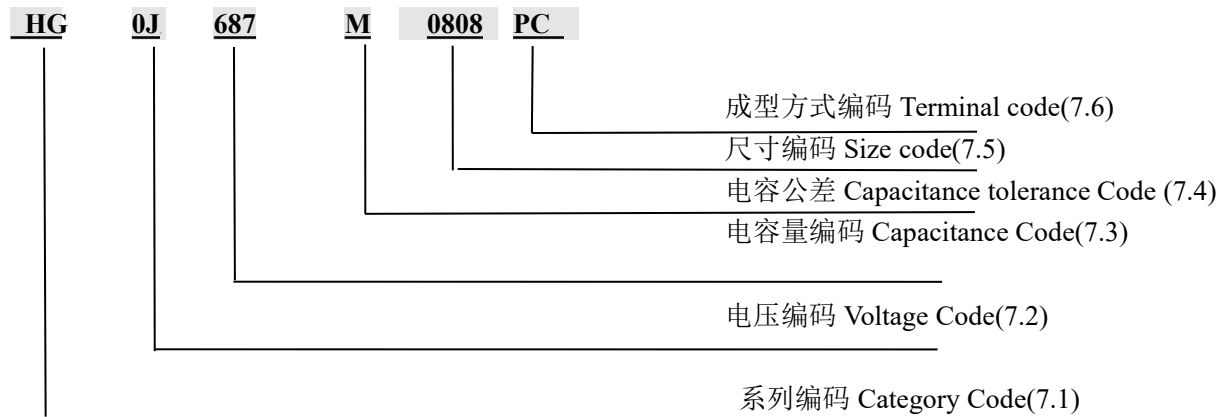
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# 物料编码表

## 1.物料编码 PART No. SYSTEM



### 1.1 系列编码 Series Code

编码 Code	HG
系列编码 Series Code	HG

### 1.2 电压编码 Voltage Code

编码 Code	0E	0G	0J	0Q	1A	1C	1E	1V	1H
电压编码 VoltageCode(W.V)	2.5	4	6.3	7.5	10	16	25	35	50

### 1.3 电容公差 Capacitance tolerance

“M”代表-20%~+20% “M” stands for -20%~+20%

### 1.4 容量编码 Capacitance Code

编码 Code	476	107	277	337	477	567	687	827	108
容量 Capacitance (uF)	47	100	270	330	470	560	680	820	1000

### 1.5 尺寸编码 Size Code

编码 Code	0507	0508	0509	0511	0607	0608	0609	0610	0611	0615	0808	0809	0811	0816	1010	1012	1212
直径 D (Φ)	5	5	5	5	6.3	6.3	6.3	6.3	6.3	6.3	8	8	8	8	10	10	12
高度 H (mm)	7	8	9	11	7	8	9	10	11.5	15	8	9	11.5	16	10	12.5	12.5

### 1.6 成型方式编码 Terminal Code

编码 Code	PC	PJ	PB	PZ
其他 Other	平豆散装 Platform rubber& In bulk	平豆剪脚 Platform rubber &Lead Cut3.5±0.3mm	平豆编带 Platform rubber& Taping Pitch=2.5mm	座板 Right lying Bending2.0±0.5mm

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