

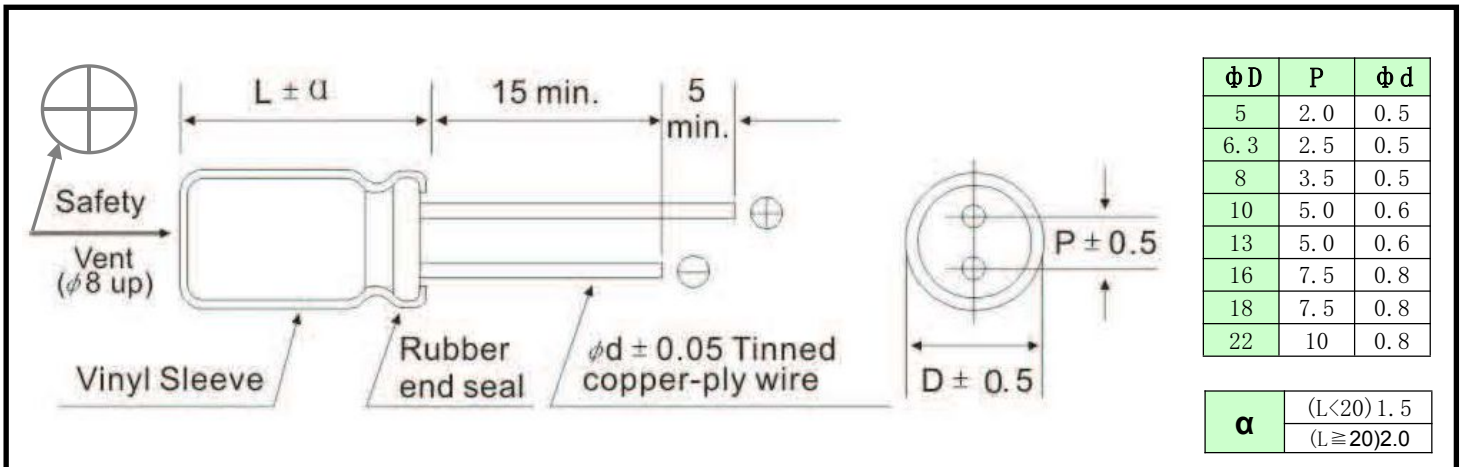
# HK Series

- 105°C, 1000 -2000 hours standard series
- ROHS Compliant
- ◆ 规格表 SPECIFICATIONS

适用于快速充电器, 电源滤波

项目 Items	特性参数 Characteristics						
使用温度范围 Category Temperature range	-40 to +105°C						
额定电压范围 Rated Voltage Range	160v to 400Vdc						
标称容量允许误差 Capacitance Tolerance	±20% (M) (at 20°C ,120Hz)						
漏电流 Leakage Current	I=0.03CV + 30 μA , which is greater after application of rated Voltage for 2minutes 施加额定工作电压 2 分钟后读数, 二者取大值 I: 漏电流 (μA) C: 静电容量 (μF)、额定电压 (V)						
损耗角正切值 (tan δ) Dissipation Factor	Rated voltage (Vdc)	160V	200V	250V	350V	400V	(at 20°C ,120Hz)
	tan δ (Max.)	0.14	0.14	0.14	0.16	0.20	
低温特性 Low Temperature Characteristics	Impedance ration max at 120Hz						
	Working voltage	160v	200v	250v	350v	400v	
	Z-25°C/ Z+20°C	3	6	8	12	14	
耐久性 Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for the specified at 105°C						
	Capacitance change	≅ ±20% of the initial value				φD	Load life
	DF (tan δ)	≅ 200 % of the initial specified value				≅ 8	1000H
	Leakage current	≅ The initial specified value				≅ 10	2000H
高温储存 Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied.						
	Capacitance change	≅ ±20% of the initial value					
	DF (tan δ)	≅ 200 % of the initial specified value					
	Leakage current	≅ The initial specified value					
纹波电流修正系数 Ripple Current Multiplier	Temperature coefficient						
	Temperature (°C)	~55	60	70	85	105	
	Factor	2.23	2.17	2.0	1.75	1	
	Frequency coefficient						
	Cap \ Freq	60	120	1k	10k	100k	
	~100	0.70	1.00	1.40	1.50	1.50	
100up	0.75	1.00	1.30	1.35	1.35		

Diagram: (Unit: mm)



# HK Series

## STANDARD RATING

Vdc uF	160		200		250		350		400	
	D*L	Ripple	D*L	Ripple	D*L	Ripple	D*L	Ripple	D*L	Ripple
1					6.3*12	24	6.3*12	27	6.3*12	21
2.2					6.3*12	35	6.3*12	41	6.3*12	35
3.3					6.3*12	46	6.3*12	48	6.3*12	42
4.7	6.3*12	46	6.3*12	50	6.3*12	58	8*12	55	6.3*15 8*12	48
6.8	6.3*12	58	8*12	62	8*12	72	8*12	62	8*12 8*14 10*13	58 62 75
8.2	8*12	66	8*12	73	8*12	86	8*12	78	8*12 8*14 10*13	78 82 90
10	8*12	73	8*12	85	8*14 10*12	95 112	8*12 8*14	82 91	8*12 8*16 10*13	76 85 91
12	8*12	85	8*12	96	8*14	126	8*17	100	8*14 8*16 10*12	93 98 105
15	8*14	96	8*14	101	8*17 10*12	131 142	8*17	120	8*17 8*20	108 115
22	8*16 10*13	110 125	8*16 10*15	130 142	8*16 10*17	151 168	10*20	150	10*20 13*21	160 180
33	10*15	140	10*20	151	10*20 10*25	215 296	10*25	190	10*30 13*21	205 240
47	10*20	186	10*20	192	10*30	365	10*35	250	10*40 16*25 18*20	265 272 280
68	10*30	245	13*21	268	13*25	420	16*25	300	13*40 16*30 18*22 18*27	305 352 400
100	13*25	355	13*25	412	16*25	515	16*35	350	16*35 18*32 22*25 13*50	450 465 510 550
120	13*30	410	16*25	560	16*32	608	18*36	550	18*36	620
150	16*20	530	16*30 22*25	618 645	18*32	712	18*40	650	18*40 22*32	730 800
180	16*25	620	18*27 22*25	655 718	18*36	803	22*40	850		
220	16*30	710	18*32 22*25	767 860	18*40	910				
330	18*32	835	18*36 22*25	915 958						
390	18*36	905	18*40 22*25	1010 1150						
470	18*40	985	18*40 22*36	1180 1300						

Maximum Ripple Current: Unit mA.rms,105°C 120Hz. Size: Dφ x L (mm)