

**GK** Snap-In Terminal 85°C Series

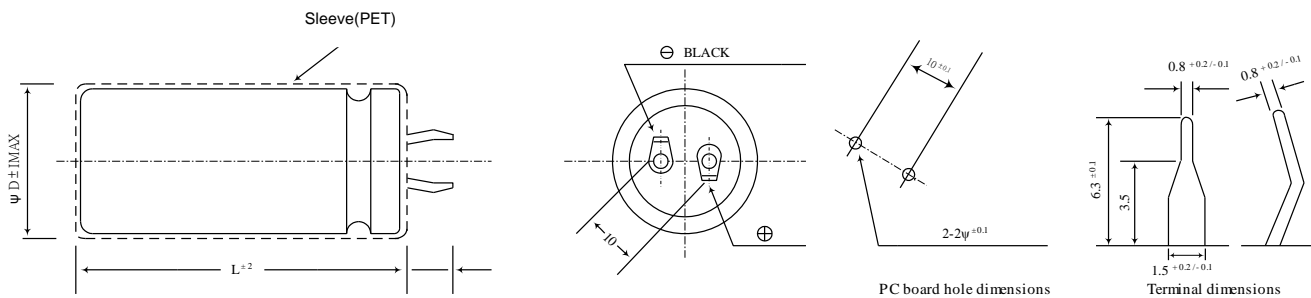


**FEATURES**

GK series is produced with guaranteed long life 2,000 hours at 85°C, designed for PCB mount, suitable for filter circuit, such as: power supply input filter or TV sets etc.

**SPECIFICATION**

Item	Performance Characteristics							
Operation Temperature Range 使用温度範圍	- 40 ~ +85 °C				- 25 ~ +85 °C			
Rated Working Voltage 額定電壓	10 ~ 100 VDC				160 ~ 450 VDC			
Capacitance Range 容量範圍	47uF ~ 22000uF							
Normal Capacitance Tolerance 靜電容量容許誤差	±20% (120Hz, 20°C)							
Leakage Current 泄漏電流	I ≤ 3√CV or less after 5min, application of rated voltage. C : Capacitance (µF) / V : Voltage (V)							
Dissipation Factor (tan δ) 散逸因素(120Hz 20°C)	Rated Voltage	10 ~ 16	25	35	50	63 ~ 100	160 ~ 250	350 ~ 450
	tan δ (max.)	0.50	0.40	0.35	0.30	0.25	0.15	0.20
Low Temperature Characteristics 低溫溫度特性 (120Hz)	Impedance ratio at 120Hz							
	Rated Voltage (V)	16 ~ 100		160 ~ 250		350 ~ 450		
	-25°C / +20°C	4		3		8		
	-40°C / +20°C	15		12		-		
Load Life 高溫負荷特性	After 2,000 hours application of rated voltage at +85°C, capacitors meet the characteristics requirements mentioned below.							
	Capacitance Change				Within 20% of initial value			
	tan δ				200% or less of initial specified value			
	Leakage Current				Initial specified value or less value			
Shelf Life 擱置壽命	After leaving Capacitors under no load at 85°C for 500hours and applying voltage according to JIS C-5102 4-3, they meet the specified value for load life characteristics listed above.							



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**CASE SIZE & Max RIPPLE CURRENT**  
Dimension Diameter (φ D)×Length(L) mm

\* Allowable Ripple at 85°C, 120Hz

WV(SV) CAP (μF)	10V		16V		25V		35V		50V		63V		100V	
	Case (Dφ xL mm)	Allowa ble Ripple												
1000													22*30	1500
													22*25	1500
1500													22*40	1950
													25*30	1900
2200									22*25	1850	22*30	2300	22*50	2650
											25*25	2300	25*40	2600
3300							22*25	2200	22*35	2350	22*40	2750	30*40	3450
									25*25	2350	25*35	2800	35*35	3450
4700					22*25	1900	22*30	2400	22*40	2800	22*50	3300	35*40	4300
							25*25	2400	25*35	2800	25*40	3250		
6800			22*25	2500	22*35	2550	22*40	2950	22*50	3800	30*40	4200		
					25*25	2550	25*35	2950	25*40	3800	35*40	4150		
10000			22*30	2850	22*45	3400	25*45	4000	30*45	4750	35*40	5200		
			25*25	2850	25*35	3400	30*35	4000	35*35	4700				
15000	22*30	2760	22*40	3700	25*45	3750	30*45	5000	35*45	5900				
			25*35	3750	30*35	4450	35*45	5000						
22000	22*40	3550	25*45	4800	30*50	5800	35*50	6250						
	25*30	3480	30*35	4800	35*40	5750								

WV(SV) CAP (μF)	160V		200V		250V		350V		400V		450V	
47									22*20	220	22*25	260
100							22*25	860	22*30	650	22*40	440
									25*25	650	25*35	440
150							22*35	1140	22*40	900	25*45	590
									25*30	850	30*35	580
220			22*25	1100	22*30	1150	22*45	1140	22*50	1150	30*45	760
					25*25	1150	25*35	1140	25*40	1100	35*35	740
330	22*25	1300	22*30	1400	22*40	1450	25*50	1880	30*45	1500	35*45	1000
			25*25	1400	25*30	1450	35*30	1870	35*35	1500		
470	22*35	1750	22*40	1800	22*50	1900	30*50	2400	35*45	2000		
	25*30	1750	25*35	1800	25*40	1900	35*35	2330				
680	22*40	2150	25*40	2250	30*40	2400	30*45	2960				
	25*35	2200	30*35	2250	35*30	2350						
1000	25*45	2800	30*45	2950								
	30*35	2800	35*35	2900								