

**KQ Series**

- Endurance with ripple current : 10,000 hours at 105°C
- Non solvent resistant type
- RoHS Compliant



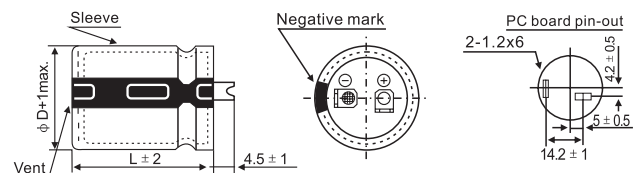
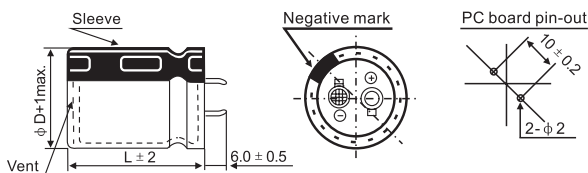
■ 規格表 SPECIFICATIONS

項目 Items	特性參數 Characteristics		
使用溫度範圍 Category Temperature Range	-25 ~ +105°C		
額定工作電壓範圍 Rated Voltage Range	200 ~ 450V		
電容量允許偏差 Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)		
漏電流 Leakage Current	I = 3√CV application of rated Voltage after 5 minutes. 施加額定工作電壓5分鐘後讀數。 Note: I=Max.leakage current (uA), C=Nominal capacitance(uF), V=Rated voltage(V) (at 20°C)		
損耗角正切值tan δ Dissipation Factor	Rated voltage(V)	200 ~ 400	450
	Tan δ (Max.)	0.15	0.20
(at 120Hz)			
低溫特性 Low Temperature Characteristics (Max.Impedance Ratio)	電容器低溫的阻抗比值，不應超過下表所列出的值		
	Rated volage(V)	200 ~ 400	450
	Z(-25°C)/Z(+20°C)	4	8
(at 120Hz)			
耐久性 Endurance	施加額定工作電壓和最大允許紋波電流，經恢復20°C後測試產品性能應滿足以下要求 The following specifications shall be satisfied when the capacitors are restored at 20°C after subjected to DC voltage with the rated ripple current is applied.		
	Capacitance change	≅ ±20% of the initial value	
	D.F.(tan δ)	≅ 250% of the specified value	
	Leakage current	≅ The specified value	
高溫儲存特性 Shelf Life	105°C放置1000小時，經恢復20°C後測試產品性能應滿足以下要求 The following specifications shall be satisfied when the capacitors are restored at 20°C after exposing them for 1000 hours at 105°C without voltage applied.		
	Capacitance change	≅ ±15% of the initial value	
	D.F.(tan δ)	≅ 150% of the specified value	
	Leakage current	≅ The specified value	

■ 外形圖 DIMENSIONS (mm)

● Standard Terminal Type: (Φ22 ~ Φ35)

● Terminal Type: (Φ35)



■ 紋波電流補正係數 RATED RIPPLE CURRENT COEFFICIENT

● 頻率係數 Frequency Coefficient

Frequency (Hz)	50	120	300	1k	10k	50k
200 ~ 250V	0.81	1.00	1.17	1.32	1.45	1.50
400 ~ 450V	0.77	1.00	1.16	1.30	1.41	1.43

**KQ Series**

■ 尺寸與最大紋波電流一覽表 STANDARD RATINGS

WV(V) Cap(μF)	200(2D)		250(2E)		400(2G)		450(2W)	
100							25×35	
150			25×30				25×35	30×35
220			22×35	25×30	30×35 1		30×45 1.04	35×30 1.02
270					30×40 1.15	35×30 1.13	30×45 1.19	35×50 1.16
330					30×45 1.29		30×50 1.33	35×40 1.35
390			30×30 1.3		30X×50 1.44		35×45 1.48	35×60 1.53
470			30×35 1.42		35×45 1.6		35×50 1.64	
560	30×30 1.50		35×30 1.58		35×50 1.79		40×60 1.98	
680	30×35 1.7		30×45 1.80	35×35 1.76	40×50 2.05			
820	30×40 2.00	35×30 2.00	30×50 2.03	35×45 2.01	40×60 2.36			
1000	30×45 2.20	35×35 2.2	35×45 2.3					
1200	35×40 2.4		35×50 2.55	40×45 2.53				
1500				40×50 2.96				
1800				40×60 3.39				

← Case size ΦDXL(mm)  
← Rated ripple current (Arms) at 105°C, 120Hz