

CK series

- Load life: 105°C, 2000hours..
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.
- 105°C壽命為2000小時。
- 專為高密度PC板表面貼裝而設計。
- 適合自動貼裝機使用。



SPECIFICATIONS

Items 項目	Characteristics 特性						
Capacitance Tolerance 靜電容量誤差	± 20% (120Hz, 20°C)						
Operating Temperature Range 適用溫度範圍	-55 ~ +105°C						
Rated Voltage Range 工作電壓範圍	6.3 ~ 50V						
Rated Capacitance Range 適用容量範圍	0.1 ~ 1000μF						
Leakage Current 洩漏電流	I ≤ 0.01CV or 3(μA), which is greater. (After 2 minutes application of rated voltage)						
Dissipation Factor 散逸因素 (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C						
	Rated Voltage (V)	6.3	10	16	25	35	50
	tan δ (Max)	0.30	0.24	0.20	0.16	0.13	0.12
Low Temperature Stability 低溫特性 Impedance Ratio (Max) 阻抗比率 (最大值)	Measurement Frequency: 120Hz.						
	Rated Voltage (V)	6.3	10	16	25	35	50
	Z (-25°C) / Z (20°C)	4	3	2	2	2	2
	Z (-40°C) / Z (20°C)	8	8	4	4	3	3
Load Life 負荷壽命	2000hours, with application of working voltage at 105°C						
	Capacitance Change	Within ± 20% of Initial Value					
	tan δ	200% or less of Initial Specified Value					
	Leakage Current	Initial Specified Value or less					
Shelf Life 放置壽命	1,000hours, no voltage applied, at 105°C. After Test : U _R to be applied for 30 minutes, 24 to 48hours before measurement. They meet the specified value for endurance characteristics listed above.						
Resistance to Soldering Heat 焊錫耐熱性	The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature they meet the characteristics requirements listed at right.					Capacitance Change	Within ± 10% of Initial Value
						tan δ	Initial Specified Value
						Leakage Current	Initial Specified Value or less
Marking 標識	Black print on the case top						

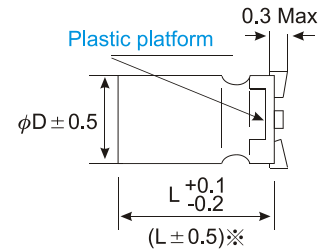
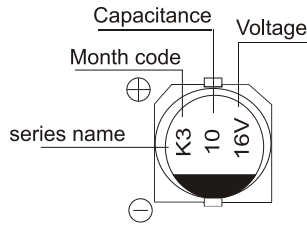
Frequency Coefficient of Permissible Ripple Current

Frequency (Hz)	50	120	300	1K	≥ 10K
Coefficient	0.70	1.00	1.17	1.36	1.50

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DIMENSIONS (mm)

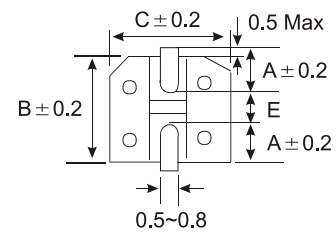
■ Chip Type



※ 當尺寸為8x10, 10x10時，誤差範圍為±0.5

(mm)

$\phi D \times L$	4x5.4	5x5.4	6.3x5.4	8x10	10x10
A	1.8	2.1	2.4	2.9	3.2
B	4.3	5.3	6.6	8.3	10.3
C	4.3	5.3	6.6	8.3	10.3
E	1.0	1.3	2.2	3.1	4.5
L	5.4	5.4	5.4	10	10
H	0.5~0.8	0.5~0.8	0.5~0.8	0.8~1.1	0.8~1.1



STANDARD RATINGS

DxL(mm); R.C.: (mA rms) at 105°C, 120Hz

Cap (μF)	WV(V) (Code)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
0.1												4x5.4	1.0
0.22												4x5.4	2.6
0.33												4x5.4	3.2
0.47												4x5.4	3.8
1												4x5.4	8
2.2								4x5.4	6.6	4x5.4	8	4x5.4	11
3.3						4x5.4	7	5x5.4	9	5x5.4	12	5x5.4	14
4.7				4x5.4	7	4x5.4	9	4x5.4	13	4x5.4	15	5x5.4	19
10		4x5.4	10	4x5.4	13	4x5.4	20	5x5.4	25	5x5.4	28	6.3x5.4	35
22		4x5.4	26	5x5.4	35	5x5.4	39	6.3x5.4	45	6.3x5.4	70	8x10	90
33		4x5.4	29	5x5.4	43	6.3x5.4	51	6.3x5.4	65	8x10	90	8x10	140
47		5x5.4	45	6.3x5.4	62	6.3x5.4	70	8x10	91	8x10	150	8x10	170
100		6.3x5.4	71	6.3x5.4	90	8x10	120	8x10	180	10x10	305	10x10	315
220		8x10	121	8x10	152	8x10	185	10x10	355	10x10	450		
330		8x10	150	8x10	195	10x10	440	10x10	450				
470		10x10	210	10x10	440	10x10	460	10x10	490				
1000		10x10	495										

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