

CD series

- Chip type, Low impedance temperature range up to -55~+105°C.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.
- -55~+105°C 低阻抗晶片式電容器。
- 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 ~ 35V					
Rated Capacitance Range 適用容量範圍	1 ~ 150μF					
Leakage Current 洩漏電流	I ≤ 0.01CV or 3μA, 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
	tan δ (Max)	0.20	0.17	0.14	0.12	0.10
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
	Z (-25°C) / Z (20°C)	2	2	2	2	2
	Z (-40°C) / Z (20°C)	4	4	3	3	3
Load Life 負荷壽命	1,000hours, 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					

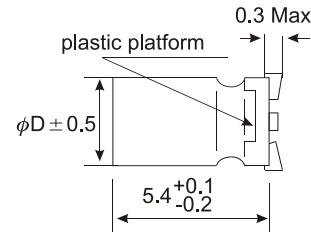
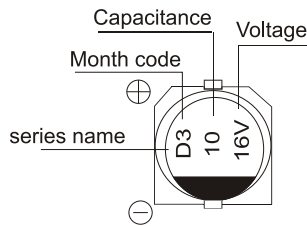
Frequency Coefficient of Permissible Ripple Current

Frequency (Hz)	50	120	300	1K	≥ 10K
Coefficient	0.60	0.70	0.85	0.95	1.00

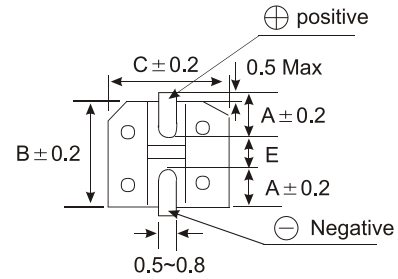
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DIMENSIONS (mm)

■ Chip Type



	(mm)		
φDxL	4x5.4	5x5.4	6.3x5.4
A	1.8	2.1	2.4
B	4.3	5.3	6.6
C	4.3	5.3	6.6
E	1.0	1.3	2.2



STANDARD RATINGS

DxL(mm); R.C. (mA rms) at 105°C, 100KHz, IMP: (Ω max) at 20°C 100KHz.

Cap (μF)	WV(V) (Code)	6.3 (0J)			10 (1A)			16 (1C)			25 (1E)			35 (1V)		
		Item	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.
1														4x5.4	50	5.0
1.5														4x5.4	50	5.0
2.2														4x5.4	50	5.0
3.3														4x5.4	50	5.0
4.7											4x5.4	50	5.0	4x5.4	50	5.0
6.8											5x5.4	50	5.0	5x5.4	80	2.6
10								4x5.4	50	5.0	5x5.4	80	2.6	5x5.4	80	2.6
15								5x5.4	80	2.6	5x5.4	98	1.3	6.3x5.4	115	1.3
22		4x5.4	50	5.0	5x5.4	80	2.6	5x5.4	80	2.6	6.3x5.4	115	1.3	6.3x5.4	115	1.3
33		5x5.4	80	2.6	5x5.4	80	2.6	6.3x5.4	115	1.3	6.3x5.4	115	1.3	6.3x5.4	135	1.0
47		5x5.4	80	2.6	6.3x5.4	115	1.3	6.3x5.4	115	1.3	6.3x5.4	135	1.0			
68		6.3x5.4	115	1.3	6.3x5.4	115	1.3	6.3x5.4	135	1.0						
100		6.3x5.4	115	1.3	6.3x5.4	135	1.0									
150		6.3x5.4	135	1.0												