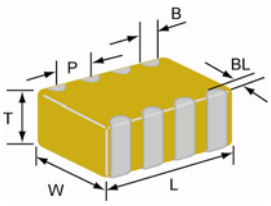
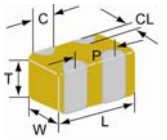
Cap Array 2-in1/4-in-1 CKC Series

Illustration





CKCA43 X7R 1H 472 M T XXXX

- Series Name
- Temperature Characteristic
- Rated Voltage (DC)
- Nominal Capacitance (pF)
- Capacitance Tolerance
- Packaging Style
- Internal Codes

Dimensions

Case	L (mm)	W (mm)	P (mm)	C (mm)	CL (mm)	T Max
CKCN27 0906(0402)	0.90 ± 0.05	0.60 ± 0.05	0.45 ± 0.05	0.25 ± 0.05	--	0.50
CKCM25 (C1410/0504)	1.37 ± 0.15	1.00 ± 0.15	0.64 ± 0.10	0.36 ± 0.10	0.20 ± 0.10	0.66
CKCM25[1] (C1410/0504)	1.37 ± 0.15	1.00 ± 0.15	0.64 ± 0.10	0.36 ± 0.10	0.20 ± 0.10	0.90
CKCL22 (C2012/0805)	2.00 ± 0.15	1.25 ± 0.15	1.0 ± 0.10	0.45 ± 0.10	0.20 +0.20/-0.10	1.00
CKCL44 (C2012/0805)	2.00 ± 0.15	1.25 ± 0.15	0.50 ± 0.10	0.25 ± 0.10	0.10 ~ 0.20	1.00
CKCA43 (C3216/1206)	3.20 ± 0.20	1.60 ± 0.20	0.80 +0.20/-0.10	0.40 +0.20/-0.10	0.15 ~ 0.4	1.10

Features

- 2 or 4 separate capacitors in single package
- Reduced PCB space and mounting time
- Unique electrode construction reduces crosstalk
- 2-in-1 Array also available in Soft Term

Applications

- Around interface cable in PC
- CPU bus line
- Cellular phone interface

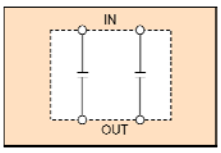
Capacitance Range

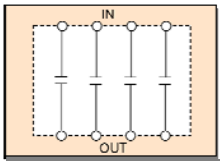
Capacitance		CKCN27 0906(0402)	CKCM25 1410(0504)							CKCL22 2012(0805)								CKCL44 2012(0805)						CKCA43 3216(1206)							
		X5R	C0G	X8R	X7R				X5R	C0G		X7R					X5R	C0G	X7R			X5R	C0G	X7R				X5R		
Cap	Code	0J	1H	2A	1H	1H	1E	1C	1A	0J	2A	1H	2A	1H	1E	1A	1C	1A	0J	1H	1H	1E	1C	1A	0J	2A	1H	2A	1H	1E	1C	1A	0J
10 pF	100		■	■							■	■								■						■	■					
22 pF	220		■	■							■	■								■						■	■					
47 pF	470		■	■							■	■								■						■	■					
100 pF	101		■	■							■	■								■						■	■					
220 pF	221		■	■	■						■	■								■	■					■	■					
470 pF	471		■	■	■						■	■								■	■					■	■	■	■			
1,000 pF	102			■	■	■							■	■						■	■					■	■	■	■			
2,200 pF	222			■	■	■							■	■						■	■					■	■	■	■			
4,700 pF	472			■	■	■							■	■						■	■					■	■	■	■			
10 nF	103	■					■						■	■							■	■					■	■				
22 nF	223	■ ★						■						■								■	■						■			
47 nF	473	■ ★							■						■	■								■						■		
100 nF	104	■ ★								■				■	■										■						■	
0.22 µF	224									■						■	■								■						■	
0.47 µF	474									■[1]								■														■
1.0 µF	105									■[1]									■													■
2.2 µF	225																		■													

★ = new for 2010

Additional Information

Equivalent Circuit





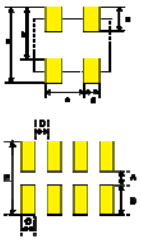
2 elements in 1 design:

- The electrostatic capacity range and shape are designed to meet the demands of the cellular phone market.

4 elements in 1 design:

- Particularly effective when used as a bypass for digital signal line noise, thereby preventing EMC around connectors.

Solder Pad Dimensions



Symbol	CKCM25 (1410/0504)	CKCL22 (2012/0805)	CKCL44 (2012/0805)	CKCA43 (3216/1206)
A	0.45 mm	0.60 mm	0.6 mm	1.0 mm
B	0.75 mm	1.00 mm	0.7 mm	0.7 mm
C	1.20 mm	1.60 mm	0.2 mm	0.34 mm
D	0.30 mm	0.50 mm	0.25 mm	0.4 mm
E	0.64 mm	1.00 mm	2.0 mm	2.4 mm