

**Panasonic** Multilayer Ceramic Chip Capacitors 0201, 0402, 0508, 0603, 0612, 0805, 1206, 1210 and 1812 (Cont.)



Size Code	Type	WV DC	Cap.	Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing				Digi-Key Part No.	Tape and Reel		Panasonic Part No.
							10	100	500	1,000		Qty.	Pricing	
1210	X5R	10	22µF	±20%	2.50	PCC2228CT-ND	6.63	53.35	218.27	—	PCC2228TR-ND	1,000	242.52	ECJ-4YB1A226M
			47µF	±20%	2.50	PCC2334CT-ND	25.47	230.80	958.01	—	PCC2334TR-ND	1,000	1058.47	ECJ-4YB1A476M
		22µF	±20%	2.50	PCC2179CT-ND	6.63	53.35	218.27	—	PCC2179TR-ND	1,000	242.52	ECJ-4YB0J226M	
		47µF	±10%	2.50	PCC2301CT-ND	10.93	88.03	360.11	—	PCC2301TR-ND	1,000	400.12	ECJ-4YB0J476M	
	Y5V	25	100µF	±20%	2.50	PCC2267CT-ND	43.06	381.96	1597.26	—	PCC2267TR-ND	1,000	1805.59	ECJ-4YF0J107M
			10µF	+80%/−20%	1.60	PCC2171CT-ND	3.86	26.19	105.50	167.35	PCC2171TR-ND	2,000	109.14/M	ECJ-4YF1E106Z
		10	22µF	+80%/−20%	2.00	PCC2172CT-ND	5.57	37.82	152.34	241.66	PCC2172TR-ND	2,000	157.60/M	ECJ-4YF1A226Z
		6.3	47µF	+80%/−20%	2.00	PCC2237CT-ND	8.62	69.37	283.79	441.45	PCC2237TR-ND	2,000	294.30/M	ECJ-4YF0J476Z
	F	16	10µF	+80%/−20%	2.00	PCC2306CT-ND	4.87	32.02	109.14	—	PCC2306TR-ND	2,000	116.42/M	ECJ-4YF1C106Z
			22µF	+80%/−20%	2.00	PCC2307CT-ND	6.43	43.67	175.89	—	PCC2307TR-ND	2,000	181.95/M	ECJ-4YF1C226Z
		50	4.7µF	+80%/−20%	2.00	PCC2309CT-ND	5.14	34.92	140.64	—	PCC2309TR-ND	2,000	145.49/M	ECJ-4YF1H475Z
			10µF	+80%/−20%	2.00	PCC2308CT-ND	5.57	37.82	152.34	—	PCC2308TR-ND	2,000	157.60/M	ECJ-4YF1H106Z
1812	X5R	25	10µF	±20%	2.50	PCC2180CT-ND	15.12	113.36	—	—	PCC2180TR-ND	500	335.05	ECJ-5YB1E106M
		16	22µF	±20%	3.20	PCC2244CT-ND	23.09	174.23	—	—	PCC2244TR-ND	500	653.40	ECJ-5YB1C226M
	F	6.3	100µF	+80%/−20%	3.20	PCC2246CT-ND	26.70	201.54	—	—	PCC2246TR-ND	500	755.77	ECJ-5YF0J107Z

◆ RoHS Compliant † Reduced DC Bias Voltage Characteristics ‡ Not for new design † Improved DC Bias Voltage Characteristics

**Digi-Key® Notebook Style Kit Boxes**

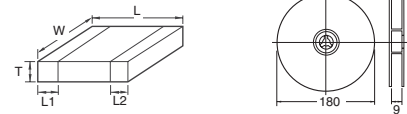
Notebook style kit box with velcro closure can be stored as a normal kit box, or vertically as a book. Each compartment is identified with an easy-to-read kit index.

- PCC13-KIT-ND 0402/NP0 Series Kit 10 each of values denoted (280 total pieces) ..... 36.26
- PCC14-KIT-ND 0402/X7R Series Kit 10 each of values denoted (300 total pieces) ..... 33.36
- PCC15-KIT-ND 0603/X5R Series Kit 10 each of values denoted (300 total pieces) ..... 21.74
- PCC16-KIT-ND 0805/X7R Series Kit 10 each of values denoted (300 total pieces) ..... 21.74
- PCC9-KIT-ND 0603/NP0 Series Kit 10 each of values denoted (300 total pieces) ..... 21.74
- PCC17-KIT-ND 1206/NP0 Series Kit 10 each of values denoted (140 total pieces) ..... 65.30

**Panasonic** High-Q (Microwave) Multilayer Chip Capacitors 0201 and 0402 High-Accuracy/High-Frequency



**Features:** • Lead Free • Operating Temperature Range: -55°C ~ 125°C • Low Cap. with Tight Tolerance • High Q value / Low ESR at High Frequency. • Ultra-Stable COG Performance (0±30 ppm/°C) • 0201 and 0402 Miniature Sizes **Applications (At Microwave Frequency):** • Impedance Matching Circuit • Resonant Circuit • Coupling Circuit **Application Examples:** • RF modules, VCO, BPF, DUP, PA, etc. • Cellular Phone, Bluetooth, Wireless LAN, etc.



Dimensions in mm

Size Code (EIA)	L	W	T	L1 / L2
0201	0.60±0.03	0.30±0.03	0.30	0.15±0.05
0402	1.00±0.05	0.50±0.05	0.50	0.20±0.10

Size Code	Type	WV DC	Cap.	Tolerance	Digi-Key Part No.	Cut Tape Pricing				Digi-Key Part No.	Tape and Reel		Panasonic Part No.		
						1	10	100	500		1,000	Qty.		Pricing	
0201	COG	25	10pF	±0.05pF	PCC2337CT-ND	.30	2.35	13.53	38.81	61.16	PCC2337TR-ND	15,000	39.05/M	ECD-GZER108	
			20pF	±0.05pF	PCC2338CT-ND	.30	2.35	13.53	38.81	61.16	PCC2338TR-ND	15,000	39.05/M	ECD-GZER208	
			30pF	±0.05pF	PCC2339CT-ND	.30	2.35	13.53	38.81	61.16	PCC2339TR-ND	15,000	39.05/M	ECD-GZER308	
			40pF	±0.05pF	PCC2340CT-ND	.30	2.35	13.53	38.81	61.16	PCC2340TR-ND	15,000	39.05/M	ECD-GZER408	
			50pF	±0.05pF	PCC2341CT-ND	.30	2.35	13.53	38.81	61.16	PCC2341TR-ND	15,000	39.05/M	ECD-GZER508	
			60pF	±0.075pF	PCC2342CT-ND	.30	2.35	13.53	38.81	61.16	PCC2342TR-ND	15,000	39.05/M	ECD-GZER609	
			70pF	±0.075pF	PCC2343CT-ND	.30	2.35	13.53	38.81	61.16	PCC2343TR-ND	15,000	39.05/M	ECD-GZER709	
			80pF	±0.075pF	PCC2344CT-ND	.30	2.35	13.53	38.81	61.16	PCC2344TR-ND	15,000	39.05/M	ECD-GZER809	
			90pF	±0.075pF	PCC2345CT-ND	.30	2.35	13.53	38.81	61.16	PCC2345TR-ND	15,000	39.05/M	ECD-GZER909	
			1.0pF	±0.10pF	PCC2346CT-ND	.30	2.35	13.53	38.81	61.16	PCC2346TR-ND	15,000	39.05/M	ECD-GZE1R08	
			1.1pF	±0.10pF	PCC2347CT-ND	.30	2.35	13.53	38.81	61.16	PCC2347TR-ND	15,000	39.05/M	ECD-GZE1R18	
			1.2pF	±0.10pF	PCC2348CT-ND	.30	2.35	13.53	38.81	61.16	PCC2348TR-ND	15,000	39.05/M	ECD-GZE1R28	
			1.3pF	±0.10pF	PCC2349CT-ND	.30	2.35	13.53	38.81	61.16	PCC2349TR-ND	15,000	39.05/M	ECD-GZE1R38	
			1.5pF	±0.10pF	PCC2350CT-ND	.30	2.35	13.53	38.81	61.16	PCC2350TR-ND	15,000	39.05/M	ECD-GZE1R58	
			1.6pF	±0.10pF	PCC2351CT-ND	.30	2.35	13.53	38.81	61.16	PCC2351TR-ND	15,000	39.05/M	ECD-GZE1R68	
			1.8pF	±0.10pF	PCC2352CT-ND	.30	2.35	13.53	38.81	61.16	PCC2352TR-ND	15,000	39.05/M	ECD-GZE1R88	
			2.0pF	±0.10pF	PCC2353CT-ND	.30	2.35	13.53	38.81	61.16	PCC2353TR-ND	15,000	39.05/M	ECD-GZE2R08	
			2.2pF	±0.10pF	PCC2356CT-ND	.28	2.50	15.60	49.93	78.01	PCC2356TR-ND	15,000	48.37/M	ECD-GZE2R28	
			2.4pF	±0.10pF	PCC2357CT-ND	.30	2.35	13.53	38.81	61.16	PCC2357TR-ND	15,000	39.05/M	ECD-GZE2R48	
			2.7pF	±0.10pF	PCC2358CT-ND	.30	2.35	13.53	38.81	61.16	PCC2358TR-ND	15,000	39.05/M	ECD-GZE2R78	
			3.0pF	±0.10pF	PCC2359CT-ND	.30	2.35	13.53	38.81	61.16	PCC2359TR-ND	15,000	39.05/M	ECD-GZE3R08	
			3.3pF	±0.25pF	PCC2360CT-ND	.30	2.35	13.53	38.81	61.16	PCC2360TR-ND	15,000	39.05/M	ECD-GZE3R3C	
			3.9pF	±0.25pF	PCC2361CT-ND	.30	2.35	13.53	38.81	61.16	PCC2361TR-ND	15,000	39.05/M	ECD-GZE3R9C	
			4.7pF	±0.25pF	PCC2362CT-ND	.30	2.35	13.53	38.81	61.16	PCC2362TR-ND	15,000	39.05/M	ECD-GZE4R7C	
0402	COG	25	10pF	±0.05pF	PCC2190CT-ND	.30	2.35	13.53	38.81	61.16	PCC2190TR-ND	10,000	41.17/M	ECD-G0E1R08	
			20pF	±0.05pF	PCC2192CT-ND	.30	2.35	13.53	38.81	61.16	PCC2192TR-ND	10,000	41.17/M	ECD-G0E1R208	
			30pF	±0.05pF	PCC2194CT-ND	.30	2.35	13.53	38.81	61.16	PCC2194TR-ND	10,000	41.17/M	ECD-G0E1R308	
			40pF	±0.05pF	PCC2196CT-ND	.30	2.35	13.53	38.81	61.16	PCC2196TR-ND	10,000	41.17/M	ECD-G0E1R408	
			50pF	±0.05pF	PCC2198CT-ND	.30	2.35	13.53	38.81	61.16	PCC2198TR-ND	10,000	41.17/M	ECD-G0E1R508	
			55pF	±0.075pF	PCC2199CT-ND	—	1.85	12.25	46.28	73.51	—	—	—	—	ECD-G0E1R558
			60pF	±0.075pF	PCC2200CT-ND	.30	2.35	13.53	38.81	61.16	PCC2200TR-ND	10,000	41.17/M	ECD-G0E1R609	
			70pF	±0.075pF	PCC2202CT-ND	.30	2.35	13.53	38.81	61.16	PCC2202TR-ND	10,000	41.17/M	ECD-G0E1R709	
			80pF	±0.075pF	PCC2204CT-ND	.30	2.35	13.53	38.81	61.16	PCC2204TR-ND	10,000	41.17/M	ECD-G0E1R809	
			90pF	±0.075pF	PCC2206CT-ND	.30	2.35	13.53	38.81	61.16	PCC2206TR-ND	10,000	41.17/M	ECD-G0E1R909	
			1.0pF	±0.10pF	PCC2252CT-ND	.30	2.35	13.53	38.81	61.16	PCC2252TR-ND	10,000	41.17/M	ECD-G0E1R08	
			1.1pF	±0.10pF	PCC2209CT-ND	.30	2.35	13.53	38.81	61.16	PCC2209TR-ND	10,000	41.17/M	ECD-G0E1R18	
			1.2pF	±0.10pF	PCC2210CT-ND	.30	2.35	13.53	38.81	61.16	PCC2210TR-ND	10,000	41.17/M	ECD-G0E1R28	
			1.3pF	±0.10pF	PCC2211CT-ND	.30	2.35	13.53	38.81	61.16	PCC2211TR-ND	10,000	41.17/M	ECD-G0E1R38	
			1.5pF	±0.10pF	PCC2213CT-ND	.30	2.35	13.53	38.81	61.16	PCC2213TR-ND	10,000	41.17/M	ECD-G0E1R58	
			1.6pF	±0.10pF	PCC2214CT-ND	.30	2.35	13.53	38.81	61.16	PCC2214TR-ND	10,000	41.17/M	ECD-G0E1R68	
			1.8pF	±0.10pF	PCC2216CT-ND	.30	2.35	13.53	38.81	61.16	PCC2216TR-ND	10,000	41.17/M	ECD-G0E1R88	
			2.0pF	±0.10pF	PCC2218CT-ND	.30	2.35	13.53	38.81	61.16	PCC2218TR-ND	10,000	41.17/M	ECD-G0E2R08	
			2.2pF	±0.10pF	PCC2253CT-ND	.30	2.35	13.53	38.81	61.16	PCC2253TR-ND	10,000	41.17/M	ECD-G0E2R28	
			2.4pF	±0.10pF	PCC2254CT-ND	.30	2.35	13.53	38.81	61.16	PCC2254TR-ND	10,000	41.17/M	ECD-G0E2R48	
			2.7pF	±0.10pF	PCC2255CT-ND	.30	2.35	13.53	38.81	61.16	PCC2255TR-ND	10,000	41.17/M	ECD-G0E2R78	
			3.0pF	±0.10pF	PCC2256CT-ND	.30	2.35	13.53	38.81	61.16	PCC2256TR-ND	10,000	41.17/M	ECD-G0E3R08	
			3.3pF	±0.25pF	PCC2258CT-ND	.30	2.35	13.53	38.81	61.16	PCC2258TR-ND	10,000	41.17/M	ECD-G0E3R3C	
			3.9pF	±0.25pF	PCC2259CT-ND	.30	2.35	13.53	38.81	61.16	PCC2259TR-ND	10,000	41.17/M	ECD-G0E3R9C	
			4.7pF	±0.25pF	PCC2260CT-ND	.30	2.35	13.53	38.81	61.16	PCC2260TR-ND	10,000	41.17/M	ECD-G0E4R7C	
			5.6pF	±0.25pF	PCC2261CT-ND	.30	2.35	13.53	38.81	61.16	PCC2261TR-ND	10,000	41.17/M	ECD-G0E5R6C	
			6.8pF	±0.25pF	PCC2262CT-ND	.30	2.35	13.53	38.81	61.16	PCC2262TR-ND	10,000	41.17/M	ECD-G0E6R8C	
			8.2pF	±0.25pF	PCC2263CT-ND	.30	2.35	13.53	38.81	61.16	PCC2263TR-ND	10,000	41.17/M	ECD-G0E8R2C	
			10.0pF	±0.25pF	PCC2264CT-ND	.30	2.35	13.53	38.81	61.16	PCC2264TR-ND	10,000	41.17/M	ECD-G0E100C	
			12pF	±5%	PCC2265CT-ND	.30	2.35	13.53	38.81	61.16	PCC2265TR-ND	10,000	41.17/M	ECD-G0E120J	
			15pF	±5%	PCC2266CT-ND	.30	2.35	13.53	38.81	61.16	PCC2266TR-ND	10,000	41.17/M	ECD-G0E150J	

◆ RoHS Compliant

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