

Multi-Layer Ceramic Disc Capacitors

■ Quick Product Information

Series	Dielectric	Size	Capacitance	Rated voltage
General Purpose Caps	NPO	0402, 0603, 0805, 1206, 1210, 1812	0.5pF-0.039μF	16V, 25V, 50V, 100V
	X7R	0402, 0603, 0805, 1206, 1210, 1812	100pF-1μF	10V, 16V, 25V, 50V, 100V
	Y5V	0402, 0603, 0805, 1206, 1210, 1812	0.01μF-1μF	10V, 16V, 25V, 50V, 100V
High Capacitance Caps	X7R	0402, 0603, 0805, 1206, 1210, 1812	0.1μF-4.7μF	10V, 16V, 25V, 50V
	X5R	0402, 0603, 0805, 1206	0.027μF-10μF	6.3V, 10V, 16V
	Y5V	0402, 0603, 0805, 1206, 1210, 1812	0.15μF-47μF	6.3V, 10V, 16V, 25V, 35V, 50V
Middle & High Voltage Caps	NPO	0603, 0805, 1206, 1210, 1808, 1812	0.5pF-6800pF	200V, 250V, 500V, 630V, 1kV, 2kV, 3kV
	X7R	0805, 1206, 1210, 1808, 1812	100pF-0.47μF	200V, 250V, 500V, 630V, 1kV, 1.5kV, 2kV, 3kV
	Y5V	0805, 1206, 1210, 1812	0.01μF-0.68μF	200V, 250V
Low Profile Caps	X5R	0805, 1206, 1210	1μF-4.7μF	6.3V, 10V
	Y5V	0805, 1206, 1210	2.2μF-10μF	10V, 16V
Ultra-small Caps	NPO	0201	0.5pF-100pF	16V, 25V
	X7R	0201	100pF-4700pF	16V, 25V, 50V
	X5R	0201	1000pF-0.022μF	6.3V, 10V, 16V
Safety Certificated Caps (X1/Y2)	NPO	1808, 1812	10pF-470pF	250Vac
Safety Certificated Caps (X2/Y3)	NPO	1808, 1812	3.9pF-1000pF	250Vac
	X7R	1808, 1812	150pF-4700pF	250Vac
High Q & Low ESR Caps	NPO	0402, 0603	0.5pF-3300pF	16V, 25V, 50V, 100V
Microwave Caps	NPO	0402, 0603	0.1pF-22pF	50V
Capacitor Arrays	NPO	0612 (4x0603)	10pF-470pF	50V
	X7R	0612 (4x0603)	180pF-0.1μF	50V
	Y5V	0612	0.01μF-0.15μF	50V

Single Chip Capacitors

Outline	Size Inch (mm)	L (mm)	W (mm)	T (mm)/Symbol		Remark	M _B (mm)	
	0201 (0603)	0.6±0.03	0.3±0.03	0.3±0.03	L	#	0.15±0.05	
	0402 (1005)	1.00±0.05	0.50±0.05	0.50±0.05	N	#	0.25 +0.05/-0.10	
	0603 (1608)		1.60±0.10	0.80±0.10	0.80±0.07	S		0.40±0.15
			1.60 +0.15/-0.10	0.80 +0.15/-0.10	0.80 +0.15/-0.10	X		
	0805 (2012)		2.00±0.15	1.25±0.10	0.60±0.10	A		0.50±0.20
					0.80±0.10	B		
	1206 (3216)		3.20±0.15	1.60±0.15	1.25±0.10	D	#	0.60±0.20
					1.25±0.20	I	#	
					0.80±0.10	B		
					0.95±0.10	C		
					1.15±0.15	J	#	
					1.25±0.10	D	#	
	1210 (3225)		3.20±0.30	2.50±0.20	1.60±0.20	G	#	0.75±0.25
					2.00±0.20	K	#	
					2.50±0.30	M	#	
1.25±0.10					D	#		
1808 (4520)		4.50±0.40	2.03±0.25	2.00±0.20	K	#	0.75±0.25*	
				1.25±0.10	D	#		
1812 (4532)		4.50±0.40	3.20±0.30	2.00±0.20	K	#	0.75±0.25*	
				1.25±0.10	D	#		

Reflow soldering only is recommended.

* For safety certificated products, please refer to individual data sheet for detail.

Capacitor Arrays

Outline	Size Inch (mm)	L (mm)	W (mm)	T (mm)/Symbol		S (mm)	BW (mm)	P (mm)
	0612 (1632)	3.20±0.15	1.60±0.15	0.80±0.10	B	0.30±0.20	0.40±0.15	0.80±0.15

Reflow soldering only.