

Standard range

10V - 250Vdc

Standard range - 10V to 250Vdc
Capacitance values.

■ ■ ■ = New Ranges

		0603	0805	1206	1210	1808	1812	1825	2220	2225	3640	5550	8060
10V	COG/ NPO	0.47p-3.9n	1.0p-15n	1.0p-47n	3.9p-100n	15p-100n	10p-220n	10p-470n	10p-470n	10p-560n	n/a	n/a	n/a
	X7R	100p-100n	100p-330n	100p-1.0μ	1.0n-1.5μ	15p-1.5μ	3.9n-3.3μ	10n-4.7μ	10n-5.6μ	18n-6.8μ	n/a	n/a	n/a
	X5R	120n-150n	390n-680n	1.2μ-1.5μ	1.8μ-3.3μ	1.8μ-2.7μ	3.9μ-10μ	5.6μ-15μ	6.8μ-18μ	8.2μ-22μ	n/a	n/a	n/a
16V	COG/ NPO	0.47p-2.7n	1.0p-12n	1.0p-33n	3.9p-68n	4.7p-68n	10p-180n	10p-330n	10p-330n	10p-470n	n/a	n/a	n/a
	X7R	100p-100n	100p-330n	100p-1.0μ	1.0n-1.5μ	15p-1.5μ	3.9n-3.3μ	10n-4.7μ	10n-5.6μ	18n-6.8μ	n/a	n/a	n/a
	X5R	120n	390n-470n	1.2μ	1.8μ-2.7μ	1.8μ-2.2μ	3.9μ-6.8μ	5.6μ-12μ	6.8μ-12μ	8.2μ-15μ	n/a	n/a	n/a
25V	COG/ NPO	0.47p-2.2n	1.0p-10n	1.0p-27n	3.9p-56n	4.7p-47n	10p-150n	10p-220n	10p-220n	10p-330n	10p-330n	390p-680n	680p-1μ
	X7R	100p-56n	100p-220n	100p-820n	1.0n-1.2μ	15p-1.2μ	3.9n-2.2μ	10n-3.9μ	10n-4.7μ	18n-5.6μ	n/a	n/a	n/a
	X5R	68n-100n	270n-390n	1.0μ	1.5μ-2.2μ	1.5μ	2.7μ-4.7μ	4.7μ-10μ	5.6μ-10μ	6.8μ-12μ	n/a	n/a	n/a
50/63V	COG/ NPO	0.47p-1.5n	1.0p-5.6n	1.0p-22n	3.9p-33n	4.7p-33n	10p-100n	10p-150n	10p-150n	10p-220n	10p-330n	390p-680n	680p-1μ
	X7R	100p-47n	100p-220n	100p-470n	1.0n-1.0μ	15p-680n	3.9n-2.2μ	10n-1.8μ	10n-3.3μ	18n-3.3μ	390p-10μ	560p-15μ	10n-22μ
	X5R	56n-68n	270n-330n	560n-680n	1.2μ-1.5μ	820n-1.0μ	2.7μ-3.3μ	2.2μ-6.8μ	3.9μ-6.8μ	3.9μ-10μ	n/a	n/a	n/a
100V	COG/ NPO	0.47p-470p	1.0p-2.2n	1.0p-8.2n	4.7p-18n	4.7p-18n	10p-47n	10p-68n	10p-68n	10p-82n	10p-270n	390p-470n	680p-680n
	X7R	100p-15n	100p-68n	100p-220n	15p-560n	15p-470n	3.9n-1.0μ	10n-1.5μ	10n-2.2μ	18n-2.7μ	390p-5.6μ	560p-10μ	10n-15μ
200/250V	COG/ NPO	0.47p-150p	1.0p-820p	1.0p-2.7n	3.9p-4.7n	4.7p-6.8n	10p-15n	10p-27n	10p-27n	10p-39n	10p-100n	390p-220n	680p-330n
	X7R	100p-6.8n	100p-33n	100p-120n	1.0n-220n	15p-220n	3.9n-560n	10n-1.0μ	10n-1.0μ	18n-1.5μ	390p-3.3μ	560p-5.6μ	10n-10μ
		0603	0805	1206	1210	1808	1812	1825	2220	2225	3640	5550	8060

Ordering information - Standard and High Voltage ranges

1210	Y	100	0103	J	X	T	---
Chip size	Termination	Voltage	Capacitance in picofarads (pF)	Capacitance tolerance	Dielectric	Packaging	Suffix
0603 0805 1206 1210 1808 1812 1825 2220 2225 3640 5550 8060	Y = FlexiCap™ termination base with nickel barrier (100% matte tin plating). RoHS compliant. H = FlexiCap™ termination base with nickel barrier (Tin/lead plating with min. 10% lead). F = Silver Palladium. RoHS compliant. J = Silver base with nickel barrier (100% matte tin plating). RoHS compliant. A = Silver base with nickel barrier (Tin/lead plating with min. 10% lead).	016 = 16V 025 = 25V 050 = 50V 063 = 63V 100 = 100V 200 = 200V 250 = 250V 500 = 500V 630 = 630V 1K0 = 1kV 1K2 = 1.2kV 1K5 = 1.5kV 2K0 = 2kV 2K5 = 2.5kV 3K0 = 3kV 4K0 = 4kV 5K0 = 5kV 6K0 = 6kV	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: 0103 = 10nF	<10pF B = ±0.1pF C = ±0.25pF D = ±0.5pF ≥ 10pF F = ±1% G = ±2% J = ±5% K = ±10% M = ±20%	C = COG/NPO (1B) X = X7R (2R1) P = X5R	T = 178mm (7") reel R = 330mm (13") reel B = Bulk pack - tubs	Used for specific customer requirements