

## Standard product ranges - 10V to 6kV ranges

■ = X5R Range

Capacitance values F.

		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	4.7p-100n	10p-220n	10p-470n	10p-470n	10p-560n	n/a	n/a	n/a
	X7R	100p-100n	100p-330n	100p-1.0μ	330n-1.5μ	100p-1.5μ	150n-3.3μ	220n-4.7μ	220n-5.6μ	330n-6.8μ	n/a	n/a	n/a
	X5R	120n-150n	390n-680n	100p-1.5μ	330p-3.3μ	100p-2.7μ	150p-10μ	220p-15μ	220p-18μ	330p-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	330p-1.5μ	100p-1.5μ	150p-3.3μ	220p-4.7μ	220p-5.6μ	330p-6.8μ	n/a	n/a	n/a
	X5R	100p-120n	100p-470n	100p-1.2μ	330p-2.7μ	100p-2.2μ	150p-6.8μ	220p-12μ	220p-12μ	330p-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	n/a	n/a	n/a
	X7R	100p-100n	100p-220n	100p-820n	330p-1.2μ	100p-1.2μ	150p-2.2μ	220p-3.9μ	220p-4.7μ	330p-5.6μ	n/a	n/a	n/a
	X5R	100p-100n	100p-390n	100p-1.0μ	330p-2.2μ	100p-1.5μ	150p-4.7μ	220p-10μ	220p-10μ	330p-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-1.0μ
	X7R	100p-47n	100p-220n	100p-470n	330p-1.0μ	100p-680n	150p-2.2μ	220p-1.8μ	220p-3.3μ	330p-3.3μ	470p-10μ	1.0n-15μ	2.2n-22μ
	X5R	100p-68n	100p-330n	100p-680n	330p-1.5μ	100p-1.0μ	150p-3.3μ	220p-6.8μ	220p-6.8μ	330p-10μ	n/a	n/a	n/a
100V	COG/NPO	0.47p-470p	1.0p-2.2n	1.0p-8.2n	3.9p-18n	4.7p-18n	10p-47n	10p-68n	10p-68n	10p-82n	10p-270n	390p-470n	680p-680n
	X7R	100p-33n	100p-100n	100p-330n	330p-680n	100p-560n	150p-1.5μ	220p-1.5μ	220p-2.2μ	330p-2.7μ	470p-5.6μ	1n-10μ	2.2n-15μ
200/250V	COG/NPO	0.47p-150p	1.0p-820p	1.0p-2.7n	3.9p-6.8n	4.7p-6.8n	10p-15n	10p-27n	10p-27n	10p-39n	10p-100n	390p-220n	680p-330n
	X7R	100p-10n	100p-56n	100p-150n	330p-330n	100p-270n	150p-680n	220p-1.0μ	220p-1.0μ	330p-1.5μ	470p-3.3μ	1.0n-5.6μ	2.2n-10μ
500V	COG/NPO	0.47p-68p*	1.0p-390p	1.0p-1.5n	3.9p-4.7n	4.7p-3.9n	10p-10n	10p-18n	10p-15n	10p-22n	10p-68n	390p-150n	680p-220n
	X7R	100p-1.5n*	100p-10n	100p-47n	330p-120n	100p-120n	150p-330n	220p-560n	220p-560n	330p-820n	470p-1.0μ	1.0n-1.8μ	2.2n-3.3μ
630V	COG/NPO	n/a	1.0p-180p	1.0p-1.0n	3.9p-1.8n	4.7p-2.2n	10p-5.6n	10p-10n	10p-10n	10p-15n	10p-39n	390p-68n	680p-150n
	X7R	n/a	100p-6.8n	100p-33n	330p-47n	100p-68n	150p-180n	220p-180n	220p-330n	330p-390n	470p-680n	1.0n-1.2μ	2.2n-2.2μ
1kV	COG/NPO	n/a	1.0p-100p	1.0p-470p	3.9p-1.2n	4.7p-1.2n	10p-3.3n	10p-6.8n	10p-8.2n	10p-10n	10p-22n	390p-39n	680p-68n
	X7R	n/a	100p-4.7n	100p-27n	330p-33n	100p-47n	150p-100n	220p-120n	220p-120n	330p-150n	470p-180n	1.0n-390n	2.2n-1.0μ
1.2kV	COG/NPO	n/a	n/a	1.0p-220p	3.9p-680p	4.7p-1.0n	10p-2.2n	10p-3.9n	10p-4.7n	10p-6.8n	10p-18n	390p-33n	680p-47n
	X7R	n/a	n/a	100p-15n	330p-10n	100p-10n	150p-33n	220p-68n	220p-82n	330p-100n	470p-150n	1.0n-220n	2.2n-470n
1.5kV	COG/NPO	n/a	n/a	1.0p-180p	3.9p-470p	4.7p-680p	10p-1.5n	10p-2.7n	10p-3.3n	10p-4.7n	10p-12n	390p-22n	680p-33n
	X7R	n/a	n/a	100p-10n	330p-6.8n	100p-6.8n	150p-22n	220p-47n	220p-47n	330p-68n	470p-100n	1.0n-150n	2.2n-330n
2kV	COG/NPO	n/a	n/a	1.0p-150p	3.9p-220p	4.7p-270p	10p-820p	10p-1.2n	10p-1.8n	10p-2.2n	10p-5.6n	390p-10n	680p-18n
	X7R	n/a	n/a	100p-2.2n	330p-4.7n	100p-4.7n	150p-10n	220p-10n	220p-27n	330p-33n	470p-47n	1.0n-82n	2.2n-150n
2.5kV	COG/NPO	n/a	n/a	n/a	n/a	4.7p-220p	10p-680p	10p-1.0n	10p-1.5n	10p-1.8n	10p-4.7n	390p-6.8n	680p-12n
	X7R	n/a	n/a	n/a	n/a	100p-1.5n	150p-3.3n	220p-6.8n	220p-8.2n	330p-12n	470p-33n	1.0n-68n	2.2n-100n
3kV	COG/NPO	n/a	n/a	n/a	n/a	4.7p-180p	10p-470p	10p-820p	10p-1.2n	10p-1.5n	10p-3.3n	390p-6.8n	680p-10n
	X7R	n/a	n/a	n/a	n/a	100p-1.2n	150p-2.7n	220p-3.9n	220p-6.8n	330p-8.2n	470p-22n	1.0n-47n	2.2n-82n
4kV	COG/NPO	n/a	n/a	n/a	n/a	4.7p-150p*	10p-390p*	10p-680p*	10p-1.0n*	10p-1.2n*	10p-1.5n	390p-4.7n	680p-6.8n
	X7R	n/a	n/a	n/a	n/a	100p-1.0n*	150p-2.2n*	220p-2.2n*	220p-4.7n*	330p-5.6n*	470p-6.8n	1.0n-15n	2.2n-33n
5kV	COG/NPO	n/a	n/a	n/a	n/a	4.7p-82p*	10p-270p*	10p-470p*	10p-680p*	10p-820p*	10p-1.0n	390p-2.2n	680p-3.9n
	X7R	n/a	n/a	n/a	n/a	100p-680p*	150p-1.2n*	220p-1.8n*	220p-3.9n*	330p-4.7n*	n/a	1.0n-10n	2.2n-22n
6kV	COG/NPO	n/a	n/a	n/a	n/a	4.7p-56p*	10p-220p*	10p-330p*	10p-470p*	10p-560p*	n/a	n/a	n/a
	X7R	n/a	n/a	n/a	n/a	100p-390p*	150p-1.0n*	220p-1.5n*	220p-2.2n*	330p-2.7n*	n/a	n/a	n/a

Note: \* Indicates components that require conformal coating post soldering.

