

MLCC standard range

10V - 6kVdc

Notes: 1) Capacitance in F. 2) *These parts may require conformal coating post soldering. 3) T = Maximum thickness.

	10V			16V			25V			50/63V			100v		200/250V		500V		630V		1kV		1.2kV		1.5kV		2kV		2.5kV		3kV		4kV		5kV		6kV				
	COG/NPO	X7R	X5R	COG/NPO	X7R	X5R	COG/NPO	X7R	X5R	COG/NPO	X7R	X5R	COG/NPO	X7R	COG/NPO	X7R	COG/NPO	X7R	COG/NPO	X7R	COG/NPO	X7R	COG/NPO	X7R	COG/NPO	X7R	COG/NPO	X7R	COG/NPO	X7R	COG/NPO	X7R	COG/NPO	X7R	COG/NPO	X7R					
0603	0.47p 3.9n	100n 150n	120n 150n	0.47p 2.7n	100p 100n	120n	0.47p 2.2n	100p 100n	—	0.47p 1.5n	100p 47n	56n 68n	0.47p 470p	100p 33n	0.47p 220p	100p 10n	0.47p 150p	100p 1.5n*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0603			
0805	1.0p 15n	100p 330n	390n 680n	1.0p 12n	100p 330n	390n 470n	1.0p 10n	100p 220n	270n 390n	1.0p 5.6n	100p 220n	270n 330n	1.0p 2.2n	100p 100n	1.0p 1n	100p 56n	1.0p 680p	100p 10n	1.0p 560p	100p 6.8n	1.0p 180p	100p 4.7n	1.0p 120p	—	1.0p 82p	—	1.0p 39p	—	—	—	—	—	—	—	—	—	0805				
1206	1.0p 47n	100p 1.0μ	1.2μ 1.5μ	1.0p 33n	100p 1.0μ	1.2μ	1.0p 27n	100p 820n	1.0μ	1.0p 22n	100p 470n	560n 680n	1.0p 8.2n	100p 330n	1.0p 3.3n	100p 150n	1.0p 2.2n	100p 47n	1.0p 1.5n	100p 33n	1.0p 1.0n	100p 27n	1.0p 680p	1.0p 15n	100p 330p	1.0p 10n	100p 220p	1.0p 2.2n	100p 100p	1.0p 68p	—	—	—	—	—	1206					
1210	3.9p 100n	330p 1.5μ	1.8μ 3.3μ	3.9p 68n	330p 1.5μ	1.8μ 2.7μ	3.9p 56n	330p 1.2μ	1.5μ 2.2μ	3.9p 33n	330p 1.0μ	1.2μ 1.5μ	3.9p 18n	330p 680n	3.9p 8.2n	330p 120n	3.9p 3.9n	330p 47n	3.9p 2.2n	330p 33n	3.9p 1.5n	330p 10n	3.9p 820p	3.9p 6.8n	330p 390p	3.9p 4.7n	330p 220p	3.9p 150p	—	—	—	—	—	—	1210						
1808	4.7p 100n	100p 1.5μ	1.8μ 2.7μ	4.7p 68n	100p 1.5μ	1.8μ 2.2μ	4.7p 47n	100p 1.2μ	1.5μ	4.7p 33n	100p 680n	1.8μ 1.0μ	4.7p 18n	100p 560n	4.7p 8.2n	100p 270n	4.7p 5.6n	100p 120n	4.7p 3.9n	100p 68n	4.7p 2.2n	100p 47n	4.7p 1.5n	100p 33n	4.7p 10n	100p 4.7n	100p 270p	100p 1.5n	100p 180p	4.7p 1.2n	4.7p 120p	100p 1.0n*	4.7p 68p	100p 680p*	4.7p 47p	100p 390p*	1808				
1812 T=2.5mm	10p 220n	150p 3.3μ	3.9μ 10μ	10p 180n	150p 3.3μ	3.9μ 6.8μ	10p 150n	150p 2.2μ	4.7μ	10p 100n	150p 2.2μ	2.7μ 3.3μ	10p 47n	150p 1.5μ	10p 22n	150p 680n	10p 15n	150p 330n	10p 10n	150p 180n	10p 6.8n	150p 100n	10p 4.7n	150p 33n	10p 2.7n	150p 22n	10p 1.5n	150p 10n	10p 820p	10p 3.3n	150p 560p	10p 2.7n	10p 270p	150p 2.2n*	10p 180p	150p 1.2n*	10p 120p	150p 1.0n*	1812 (T=2.5mm)		
1812 T=3.2mm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10p 27n	—	10p 22n	—	10p 12n	—	10p 8.2n	—	10p 6.8n	—	10p 3.3n	—	10p 1.8n	—	10p 1.0n	—	10p 680p	—	10p 390p	—	10p 270p	—	10p 180p	1812 (T=3.2mm)			
1825 T=2.5mm	10p 470n	220p 4.7μ	5.6μ 15μ	10p 330n	220p 4.7μ	5.6μ 12μ	10p 220n	220p 3.9μ	4.7μ 10μ	10p 150n	220p 1.8μ	2.2μ 6.8μ	10p 68n	220p 1.5μ	10p 33n	220p 1.0μ	220p 27n	10p 560n	220p 22n	220p 180n	10p 12n	220p 120n	10p 6.8n	220p 68n	10p 4.7n	220p 47n	10p 3.3n	220p 10n	10p 1.5n	220p 6.8n	10p 1.2n	220p 3.9n	10p 560p	220p 2.2n*	10p 390p	220p 1.8n*	10p 270p	220p 1.5n*	1825 (T=2.5mm)		
1825 T=3.2mm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10p 47n	—	10p 33n	—	10p 27n	—	10p 15n	—	10p 10n	—	10p 6.8n	—	10p 3.9n	—	10p 2.2n	—	10p 1.5n	—	10p 680p	—	10p 470p	—	10p 330p	1825 (T=3.2mm)			
2220 T=2.5mm	10p 470n	220p 5.6μ	6.8μ 18μ	10p 330n	220p 5.6μ	6.8μ 12μ	10p 220n	220p 4.7μ	5.6μ 10μ	10p 150n	220p 3.3μ	3.9μ 6.8μ	10p 68n	220p 2.2μ	10p 33n	220p 1.0μ	220p 22n	10p 560n	220p 18n	220p 330n	10p 15n	220p 120n	10p 8.2n	220p 5.6n	10p 47n	220p 3.3n	10p 27n	220p 1.8n	220p 8.2n	10p 1.5n	220p 6.8n	10p 1.2n	220p 3.9n	10p 560p	220p 4.7μ*	10p 470p	220p 3.9n*	10p 330p	220p 2.2n*	2220 (T=2.5mm)	
2220 T=4.0mm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10p 56n	—	10p 39n	—	10p 33n	—	10p 22n	—	10p 15n	—	10p 5.6n	—	10p 10n	—	10p 2.2n	—	10p 3.3n	—	10p 2.2n	—	10p 820p	—	10p 560p	—	10p 220p	2220 (T=4.0mm)	
2225 T=2.5mm	10p 560n	330p 6.8μ	8.2μ 22μ	10p 470n	330p 6.8μ	8.2μ 15μ	10p 330n	330p 5.6μ	6.8μ 12μ	10p 220n	330p 3.3μ	3.9μ 10μ	10p 82n	330p 2.7μ	10p 47n	330p 1.5μ	330p 820n	10p 22n	330p 390n	10p 18n	330p 150n	10p 12n	330p 100n	10p 6.8n	330p 68n	10p 4.7n	330p 33n	10p 2.2n	330p 12n	10p 1.8n	330p 8.2n	10p 820p	330p 5.6n*	10p 560p	330p 4.7n*	10p 390p	330p 2.7n*	2225 (T=2.5mm)			
2225 T=4.0mm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10p 68n	—	10p 47n	—	10p 39n	—	10p 27n	—	10p 22n	—	10p 12n	—	10p 6.8n	—	10p 3.9n	—	10p 2.7n	—	10p 1.5n	—	10p 1.0n	—	10p 680p	—	10p 220p	2225 (T=4.0mm)	
3640 T=2.5mm	—	—	—	—	—	—	—	—	—	10p 330n	470p 10μ	—	10p 270n	470p 5.6μ	10p 120n	470p 3.3μ	10p 82n	470p 1.0μ	10p 68n	470p 680n	10p 47n	470p 180n	10p 33n	470p 150n	10p 22n	470p 100n	10p 47n	470p 6.8n	10p 33n	470p 4.7n	10p 22n	470p 1.8n	10p 6.8n	10p 47n	470p 15n	10p 6.8n	10p 1.5n	—	10p 1.0n	—	3640 (T=2.5mm)
3640 T=4.0mm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10p 180n	—	10p 120n	—	10p 100n	—	10p 82n	—	10p 56n	—	10p 39n	—	10p 18n	—	10p 12n	—	10p 8.2n	—	10p 3.3n	—	10p 2.2n	—	10p 1.5n	—	10p —	3640 (T=4.0mm)	
5550 T=2.5mm	—	—	—	—	—	—	—	—	—	390p 680n	1.0n 15μ	—	390p 470n	1.0n 10μ	390p 270n	1.0n 5.6μ	390p 180n	1.0n 1.8μ	390p 120n	1.0n 1.2μ	390p 82n	1.0n 390n	390p 68n	1.0n 220n	390p 39n	1.0n 150n	390p 22n	1.0n 82n	390p 12n	390p 68n	1.0n 47n	390p 4.7n	390p 15n	390p 2.7n	1.0n 10n	390p 1.8n	1.0n 1.8n	—	5550 (T=2.5mm)		
5550 T=4.0mm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	390p 330n	—	390p 270n	—	390p 180n	—	390p 150n	—	390p 100n	—	390p 68n	—	390p 22n	—	390p 18n	—	390p 6.8n	—	390p 4.7n	—	390p 3.3n	—	390p —	5550 (T=4.0mm)			
8060 T=2.5mm	—	—	—	—	—	—	—	—	—	680p 1.0μ	2.2n 22μ	—	680p 680n	2.2n 15μ	680p 390n	2.2n 10μ	680p 270n	2.2n 3.3μ	680p 220n	2.2n 2.2μ	680p 150n	2.2n 1.0μ	680p 100n	2.2n 470n	680p 68n	2.2n 39n	680p 150n	2.2n 22n	680p 100n	2.2n 15n	680p 82n	2.2n 8.2n	680p 33n	2.2n 5.6n	680p 22n	680p 3.9n	—	8060 (T=2.5mm)			
8060 T=4.0mm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	680p 560n	—	680p 470n	—	680p 390n	—	680p 270n	—	680p 180n	—	680p 120n	—	680p 68n	—	680p 39n	—	680p 27n	—	680p 15n	—	680p 10n	—	680p 6.8n	8060 (T=4.0mm)			



Note: 0402, 0505, 1111 & 2211 case sizes are available in our speciality ranges.

Please refer to our product catalogue for details.