

Capacitance Availability Guide – Standard MLCC



Vdc		0201	0402	0603	0805	1206	1210	1808	1812	1825	2220	2225
6.3v	NPO	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	X7R	N/A	N/A	2.2uF	4.7uF	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	X5R	100nF	1uF	10uF	22uF	47uF	100uF	N/A	N/A	N/A	N/A	N/A
10V	NPO	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	X7R	N/A	100nF	2.2F	4.7uF	10uF	10uF	N/A	N/A	N/A	N/A	N/A
	X5R	N/A	1uF	4.7uF	10uF	22uF	22uF	N/A	N/A	N/A	N/A	N/A
16V	NPO	N/A	N/A	3.3nF	10nF	27nF	47nF	N/A	120nF	N/A	N/A	N/A
	X7R	N/A	100nF	2.2uF	2.2uF	4.7uF	22uF	N/A	N/A	N/A	N/A	N/A
	X5R	N/A	100nF	2.2uF	10uF	22uF	22uF	N/A	N/A	N/A	N/A	N/A
25V	NPO	N/A	N/A	3.3nF	10nF	10nF	22nF	N/A	47nF	N/A	N/A	N/A
	X7R	N/A	10nF	1uF	1uF	2.2uF	10uF	N/A	N/A	N/A	N/A	N/A
	X5R	N/A	100nF	1uF	4.7uF	10uF	10uF	N/A	N/A	N/A	N/A	N/A
35V	NPO	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	X7R	N/A	N/A	N/A	470nF	1uF	4.7uF	N/A	2.2uF	N/A	10uF	N/A
	X5R	N/A	N/A	N/A	N/A	1uF	10uF	N/A	N/A	N/A	N/A	N/A
50V	NPO	N/A	470pF	3.3nF	10nF	10nF	22nF	N/A	47nF	N/A	N/A	82nF
	X7R	N/A	10nF	100nF	330nF	1uF	2.2uF	N/A	4.7uF	4.7uF	10uF	6.8uF
	X5R	N/A	N/A	N/A	N/A	1uF	N/A	N/A	N/A	N/A	N/A	N/A
100V	NPO	N/A	N/A	270pF	1.2nF	6.8nF	10nF	N/A	18nF	56nF	56nF	68nF
	X7R	N/A	N/A	18nF	100nF	470nF	2.2uF	N/A	2.2uF	2.2uF	4.7uF	4.7uF
	X5R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
200V	NPO	N/A	N/A	270pF	1.2nF	5.6nF	8.2nF	N/A	12nF	47nF	47nF	56nF
	X7R	N/A	N/A	N/A	47nF	100nF	470nF	N/A	1uF	1.5uF	2.2uF	2.2uF
	X5R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
250V	NPO	N/A	N/A	270pF	1.2nF	5.6nF	8.2nF	N/A	12nF	47nF	47nF	56nF
	X7R	N/A	N/A	N/A	47nF	100nF	470nF	N/A	1uF	1.5uF	2.2uF	2.2uF
	X5R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
500V	NPO	N/A	N/A	N/A	680pF	2.2nF	3.9nF	1.8nF	8.2nF	39nF	39nF	47nF
	X7R	N/A	N/A	N/A	22nF	56nF	100nF	39nF	220nF	270nF	470nF	470nF
	X5R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
630V	NPO	N/A	N/A	N/A	N/A	2.2nF	3.9nF	1.8nF	8.2nF	27nF	27nF	33nF
	X7R	N/A	N/A	N/A	N/A	33nF	N/A	N/A	N/A	N/A	N/A	N/A
	X5R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1KV	NPO	N/A	N/A	N/A	N/A	1nF	1nF	1.2nF	6.8nF	12nF	12nF	15nF
	X7R	N/A	N/A	N/A	1nF	10nF	27nF	15nF	47nF	100nF	100nF	100nF
	X5R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2KV	NPO	N/A	N/A	N/A	N/A	390pF	N/A	680pF	1.2nF	N/A	N/A	N/A
	X7R	N/A	N/A	N/A	N/A	1.5nF	2.7nF	3.3nF	10nF	18nF	18nF	18nF
	X5R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3KV	NPO	N/A	N/A	N/A	N/A	39pF	N/A	1nF	1.2nF	N/A	1.2nF	N/A
	X7R	N/A	N/A	N/A	N/A	N/A	N/A	1.8nF	2.7nF	N/A	N/A	N/A
	X5R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4KV	NPO	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	X7R	N/A	N/A	N/A	N/A	N/A	N/A	1nF	N/A	N/A	N/A	N/A
	X5R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5KV	NPO	N/A	N/A	N/A	N/A	N/A	N/A	27pF	N/A	N/A	150pF	N/A
	X7R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	X5R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

SMD Capacitors								
Vdc			1808	1812	2208	2211	2220	2825
X2/Y3	250Vrms	NPO	2.2pF–1nF	N/A	N/A	N/A	N/A	N/A
	250Vrms	X7R	150pF- 2.2nF	1nF–4.7nF	N/A	N/A	N/A	N/A
X1/Y2	250Vrms	NPO	2.2pF– 150pF	N/A	2.2pF- 330pF	2.2pF- 680pF	2.2pF-1.2nF	N/A
	250Vrms	X7R	150pF-1nF	130pF-1nF	36pF-1nF	68pF-2.7nF	130pF- 4.7nF	N/A
X2	250Vrms	NPO	N/A	N/A	N/A	N/A	N/A	N/A
	250Vrms	X7R	N/A	N/A	N/A	N/A	150pF – 10nF	47nF-56nF



◆ Also available as Lead (Pb) free