

Medium-High Voltage MLCC

Our medium-high voltage MLCCs (Multi Layer Ceramic Capacitors) aim for commercial and industrial application to DC 3kV, including power supply and voltage multiplier circuits.

A specially designed internal and external structures are capable of enhancing high voltage performance of MLCCs. Various sizes and voltage ratings are available for corresponding capacitance ranges.

You can search and download specification sheets for each model on 'Part Search'



General features

- High withstanding voltage
- Wide range of rated voltage from 100V to 3000V
- Highly reliable performance due to robust design and advanced processing technology

Applications

Well suited for LCD backlight inverter, lighting ballast, Tip & Ring, DC-DC converter, etc.

Specification (Lineup)

TC	Size(mm)	Vr(V) *1)	Capacitanc(nF)						
			0	0.82	1	10	22	68	
C06	0603(1608)	100-250			1.2				
	0805(2012)	100-630			4.7				
	1206(3216)	100-630					18		
	1210(3225)	100-630						56	
	1812(4532)	100-630						56	
	2220(5750)	100-630					5.6-68		

TC	Size(mm)	Vr(KV) *1)	Capacitanc(nF)						
			0	0.15	0.82	1	1.8	3.6	
C06	1206(3216)	1-2			0.47				
	1210(3225)	1-2			0.82				
	1808(4520)	2-3			0.22				
	1812(4532)	1-3					1.8		
	2220(5750)	1-3				0.47-3.6			

TC	Size(mm)	Vr(V) *1)	Capacitanc(nF)						
			0	10	100	470	1000	4700	
X7R	0603(1608)	100			100				
	0805(2012)	100-250			220				
	1206(3216)	100-630					2200		
	1210(3225)	100-630					2200		
	1812(4532)	100-630					1000		
	2220(5750)	100-630				150-4700			

TC	Size(mm)	Vr(V) *1)	Capacitanc(nF)						
			0	1	3.3	6.8	10	47	
C06	1206(3216)	1-2			3.3				
	1210(3225)	1-2				6.8			
	1808(4520)	2-3			2.2				
	1812(4532)	1-3						47	
	2220(5750)	1-3				3.3-47			

*1)The rated voltage (Vr) of individual product depends on its capacitance value in the range indicated.