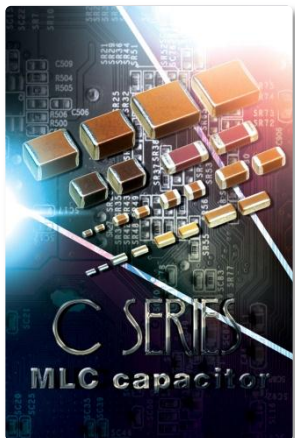
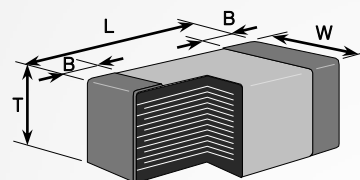


C SERIES | Mid Voltage Capacitor



With a rated voltage ranging from 100V to 630V, TDK's mid voltage multilayer ceramic chip capacitors (MLCC) use ceramic dielectric thin-layer and advanced multi-layering technologies to improve capacitance to the industry's highest levels in the mid-voltage range.

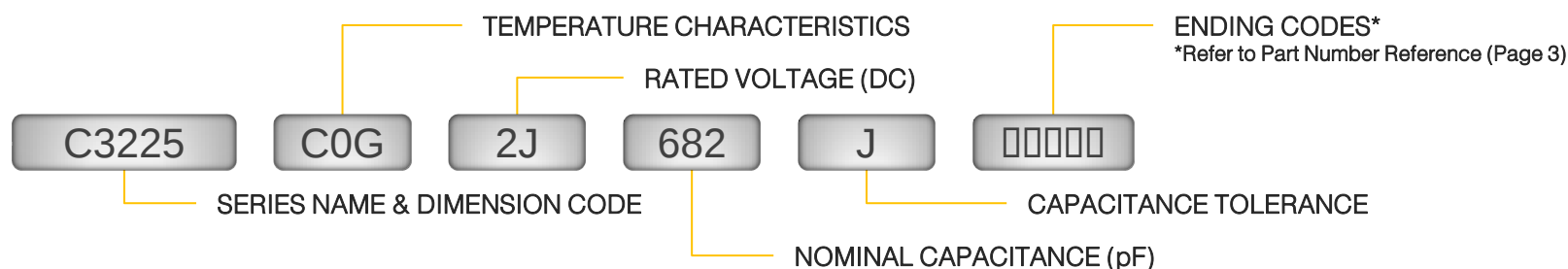
These products feature Class I & Class II temperature characteristics (operating temperature range: -55°C and up to 125°C), making them ideal for use in electric flash circuits in digital camera, higher voltage switching power supply smoothing circuits needed for industrial equipment, power factor correction, various lighting application, and general circuits that require higher voltages than traditional sub 100V rated MLCC's.



L Body Length
W Body Width
T Body Height
B Terminal Width

Case Code	L (mm)	W (mm)	T (mm)
C1005/0402	1.00	0.50	0.50
C1608/0603	1.60	0.80	0.80
C2012/0805	2.00	1.25	1.25
C3216/1206	3.20	1.60	1.60
C3225/1210	3.20	2.50	2.30
C4532/1810	4.50	3.20	3.20
C5750/2220	5.70	5.00	2.50

Part Number Description



Features:

- ❖ Advanced dielectric materials
- ❖ Wide capacitance range up to 22uF
- ❖ Higher voltage rating in smaller case size
- ❖ Voltage rating of 100V, 250V, 450V, and 630V
- ❖ High mechanical strength
- ❖ Excellent DC bias properties

Applications:

- ❖ Snubber in power supply
- ❖ Ringer cap in telephone set and modem
- ❖ Electric flash circuits in digital still camera
- ❖ Power factor correction
- ❖ Input/output filter in power supply
- ❖ Driver circuit in plasma display
- ❖ Noise bypass
- ❖ Lighting application

C SERIES | Mid Voltage / C0G

Capacitance (pF)	Cap Code	C1608 0603		C2012 0805		C3216 1206			C3225 1210			C4532 1812		
		2E (250V)	2A (100V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)
100	101													
120	121													
150	151													
180	181													
220	221													
270	271													
330	331													
390	391													
470	471													
560	561													
680	681													
820	821													
1,000	102													
1,200	122													
1,500	152													
1,800	182													
2,200	222													
2,700	272													
3,300	332													
3,900	392													
4,700	472													
5,600	562													
6,800	682													
8,200	822													
10,000	103													
15,000	153													
22,000	223													
33,000	333													
47,000	473													
68,000	683													
100,000	104													

 C0G

C SERIES | Mid Voltage / X7R, X7S, X7T, X6S

Capacitance (pF)	Cap Code	C1005 0402	C1608 0603	C2012 0805			C3216 1206			
		2A (100V)	2A (100V)	2W (450V)	2E (250V)	2A (100V)	2J (630V)	2W (450V)	2E (250V)	2A (100V)
1,000	102									
1,500	152									
2,200	222									
3,300	332									
4,700	472									
6,800	682									
10,000	103									
15,000	153									
22,000	223									
33,000	333									
47,000	473									
68,000	683									
100,000	104									
150,000	154									
220,000	224									
330,000	334									
470,000	474									
1,000,000	105									
2,200,000	225									
3,300,000	335									

Capacitance (pF)	Cap Code	C3225 1210				C4532 1812				C5750 2220			
		2J (630V)	2W (450V)	2E (250V)	2A (100V)	2J (630V)	2W (450V)	2E (250V)	2A (100V)	2J (630V)	2W (450V)	2E (250V)	2A (100V)
47,000	473												
68,000	683												
100,000	104												
150,000	154												
220,000	224												
330,000	334												
470,000	474												
680,000	684												
1,000,000	105												
1,500,000	155												
2,200,000	225												
3,300,000	335												
4,700,000	475												
10,000,000	106												
15,000,000	156												

X6S X7R X7S X7T

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