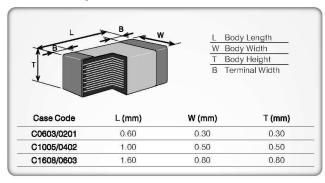
C SERIES | High Q / F&G Tol. Capacitor

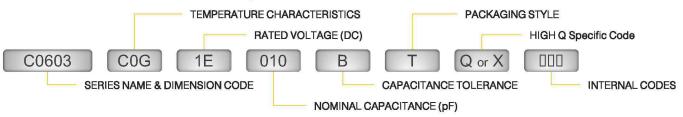


TDK High Q multilayer ceramic chip capacitors (MLCCs) are offered in ultra small metric 0603 (EIA0201) body size. This is offered in COG temperature characteristics (operating temperature range: -55°C to 125°C), making them ideal for use in higher temperature circuit requirements. COG is a highly stable material offering temperature stability, low loss, and excellent frequency and voltage performance. This material class also offers excellent attenuation and high self resonant frequency.

High Q series are offered in capacitance tolerance as tight as ±0.05pF and as wide as ±5% for higher capacitance value. This series is an excellent solution for mobile multimedia and wireless applications as well as in applications such as but not limited to Bluetooth, GPS, satellite TV and radios.



Part Number Description

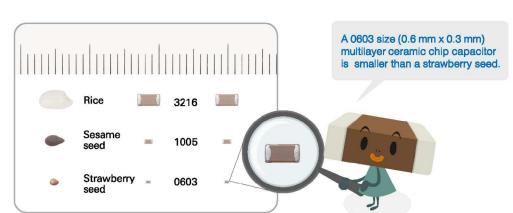


Features:

- Higher Q (lower loss) than standard capacitors
- Available in standard and tight tolerance
- Same C0G(Class I) BME material
- Compact case sizes (as small as 0.6 x 0.3 mm)

Applications:

- PA module
- Wireless communications/mobile phones
- Filter networks/matching networks
- DC blocking
- High frequency circuits



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C SERIES | High Q/Tight Tolerance / C0G

Capacitance	Cap Code	C0603/0201 1E (25V)							
(pF)		W ±0.05pF	B ±0.10pF	E ±0.20pF	C ±0.25pF	D ±0.50pF	G ±2%	J ±5%	
0.2	0R2								
0.3	0R3								
0.4	0R4								
0.5	0R5								
0.6	0R6								
0.7	0R7								
0.8	0R8								
0.9	0R9								
1.0	010								
1.1	1R1								
1.2	1R2								
1.3	1R3								
1.5	1R5								
1.6	1R6								
1.8	1R8								
2.0	020								
2.2	2R2								
2.4	2R4								
2.7	2R7								
3.0	030								
3.3	3R3								
3.6	3R6								
3.9	3R9								
4.0	040								
4.3	4R3								
4.7	4R7								
5.0	050								
5.1	5R1								
5.6	5R6								
6.0	060								
6.2	6R2								
6.8	6R8								
7.0	070								
	7R5								
7.5									
8.0	080 8R2								
8.2									
9.0	090								
9.1	9R1								
10	100								
11	110								
12	120								
13	130								
15	150								
16	160								
18	180								
20	200								

Capacitance (pF)		C1005/0402		C1608/0603				
	Сар	1H (50V)	1H (50V)		2A (100V)		
	Code	F ±1%	G ±2%	F ±1%	G ±2%	F ±1%	G ±2%	
15	150							
22	220							
33	330							
47	470							
68	680							
100	101							
150	151							
220	221							
330	331							
470	471							
680	681							
1,000	102							

C0G

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