

COG/COH MLCC for general-use

COG MLCC for General-use is class I high frequency capacitor, its capacitance is very stable, almost will not change along with the temperature, voltage and time. Specially be suitable for high frequency circuits.

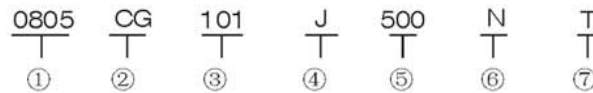
• Features

- * The capacitance is very stable, its operating temperature is $-55^{\circ}\text{C}\sim 125^{\circ}\text{C}$, within the range, the temperature coefficient is $0\pm 30\text{ppm}/^{\circ}\text{C}$, $0\pm 60\text{ppm}/^{\circ}\text{C}$.
- * It has multi-layer monolithic structure, has high reliability.
- * It has good solderability and soldering resistance, suitable for flow/reflow soldering.

• Application

- * It is suitable for all kinds of high frequency circuits.

• Product Part Number Expression



①Dimensions		
Type	British (Inch)	Metric (mm)
0402	0.04×0.02	1.00×0.50
0603	0.06×0.03	1.60×0.80
0805	0.08×0.05	2.00×1.25
1206	0.12×0.06	3.20×1.60

②Dielectric Type	
Code	Dielectric
CG	COG or NPO
CH	COH

③Normal Capacitance(PF)	
Expression Method	Actual Value
100	10×10^0
101	10×10^1
102	10×10^2

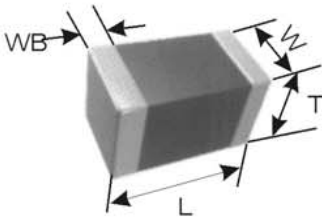
④Capacitance Tolerance	
Code	Tolerance
J	$\pm 5.00\%$
G	$\pm 2.00\%$
C	$\pm 0.25\text{PF}$
B	$\pm 0.10\text{PF}$
D	$\pm 0.50\text{PF}$

⑤Rated Voltage	
Expression Method	Actual Value
500	50V
250	25V
101	100V
201	200V

⑥Termination Type	
Expression Method	Termination Material
S	Pure Silver
C	Pure Copper
N	Three Layers Plating Terminal (Silver or Copper layer/ Nickel layer /Tin layer)

⑦Package Method	
Expression Method	Packaging
No Mark	Bulk Packaging in a Bag
T	Taping Packaging
B	Bulk Plastic Box Packaging

• Outside Dimension



Type		Dimension (mm)			
British Expression	Metric Expression	L	W	T	WB
0402	1005	1.00 ± 0.05	0.50 ± 0.05	0.50 ± 0.05	0.25 ± 0.10
0603	1608	1.60 ± 0.10	0.80 ± 0.10	0.80 ± 0.10	0.30 ± 0.10
0805	2012	2.00 ± 0.20	1.25 ± 0.20	0.80 ± 0.10 1.00 ± 0.10 1.25 ± 0.20	0.50 ± 0.25
1206	3216	3.20 ± 0.30	1.60 ± 0.20	0.80 ± 0.10 1.00 ± 0.10 1.25 ± 0.20	0.50 ± 0.25

■ Capacitance Range

Item	COG/COH MLCC for general-use																			
Dimension	0402					0603					0805					1206				
Rated Voltage	6.3V	10V	16V	25V	50V	6.3V	10V	16V	25V	50V	6.3V	10V	16V	25V	50V	6.3V	10V	16V	25V	50V
Capacitance																				
0.5PF																				
1PF																				
2PF																				
3PF																				
4PF																				
5PF																				
6PF																				
7PF																				
8PF																				
10PF																				
15PF																				
18PF																				
22PF																				
33PF																				
47PF																				
68PF																				
100PF																				
120PF																				
150PF																				
180PF																				
220PF																				
330PF																				
470PF																				
560PF																				
680PF																				
1000PF																				
2200PF																				
2700PF																				
3300PF																				
4700PF																				
5600PF																				
6800PF																				