

## 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  $0\pm 30\text{ppm}/^{\circ}\text{C}$ ,  $0\pm 60\text{ppm}/^{\circ}\text{C}$ .

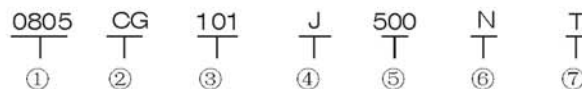
\* It has multi-layer monolithic structure, has high reliability.

\* 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	$10\times 10^0$
101	$10\times 10^1$
102	$10\times 10^2$

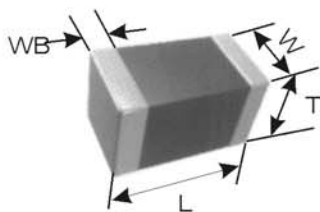
④Capacitance Tolerance	
Code	Tolerance
J	$\pm 5.00\%$
G	$\pm 2.00\%$
C	$\pm 0.25\text{PF}$
B	$\pm 0.10\text{PF}$
D	$\pm 0.50\text{PF}$

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	$1.00\pm 0.05$	$0.50\pm 0.05$	$0.50\pm 0.05$	$0.25\pm 0.10$
0603	1608	$1.60\pm 0.10$	$0.80\pm 0.10$	$0.80\pm 0.10$	$0.30\pm 0.10$
0805	2012	$2.00\pm 0.20$	$1.25\pm 0.20$	$0.80\pm 0.10$ $1.00\pm 0.10$ $1.25\pm 0.20$	$0.50\pm 0.25$
1206	3216	$3.20\pm 0.30$	$1.60\pm 0.20$	$0.80\pm 0.10$ $1.00\pm 0.10$ $1.25\pm 0.20$	$0.50\pm 0.25$

**Capacitance Range**

Item	COG/COH MLCC for general-use																				
	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																					