

■ Z5U MLCC for General-use

Z5U MLCC for General-use is class II low frequency capacitor, its capacitance stability is between that of X7R and Y5V.

• Features

- * Its operating temperature is 10°C~85°C, within the range, the temperature coefficient is +22%, -56%.
- * It has multi-layer monolithic structure, has high reliability.
- * It has good solderability and soldering resistance, suitable for flow soldering/reflow soldering.

• Applications

It is suitable for all kinds of filter and coupling circuits.

• Product Part Number Expression



①Dimensions		
Type	British (Inch)	Metric (mm)
0402	0.04×0.02	1.0×0.5
0603	0.06×0.03	1.6×0.8
0805	0.08×0.05	2.0×1.25

②Dielectric Type	
Code	Dielectric
E	Z5U

③Normal Capacitance(PF)	
Expression Method	Actual Value
102	10×10 ²
103	10×10 ³
104	10×10 ⁴

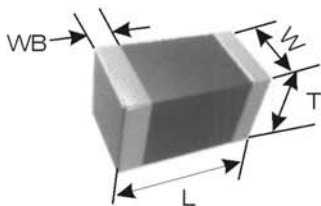
④Capacitance Tolerance	
Code	Tolerance
M	±20%
Z	+80% -20%

⑤Rated Voltage	
Expression Method	Actual Value
250	25V
500	50V
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

4. 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

