Coding rule of clear text code (CTC) for Yageo MLCC

CC 0805 K K X7R 9 B B 104

Code 1
Series Name

CC=Multilayer Chip Cap.
CA=4*Cap. Array
CB=2*Cap. Array
CL=Low Inductance Cap.
FT=Feed-through Cap.
FA= Feed-through Cap. Array
CM=Micro-wave Cap.
LP=Low Profile Cap.
CX=X2Y

Code 6
Capacitance tolerance

A=±0.05pF
B=±0.1pF
C=±0.25pF
D=±0.5pF
E=±1pF
F=±1%
G=±2%
J=±5%
K=±10%
M=±20%
Z=-20~+80%

Code 8-10
TC Material

NPO
X7R
X5R
Y5V
Z5U

Code 12
Termination

A=PdAg
B=Ni-Barrier
C=Ni/Au

Code 14-16
Capacitance Value
(2 Significant Digits+No. of Zeros) The 3rd Digit is exponent.

Letter **R** is Decimal Point
0=×1
1=×10
2=×10^2
3=×10^3
4=×10^4
5=×10^5
6=×10^6
##R=Special cap. (##: capacitance before decimal point)

Code 2-5
Size Code
inches   (mm)

0201	(0603)
0402	(1005)
0603	(1608)
0306	(0816)
0805	(2012)
0508	(1220)
1206	(3216)
0612	(1632)
1210	(3225)
1808	(4520)
1812	(4532)

Code 7
Packing Style

R=Paper Tape Reel φ 7 inch
P= Paper Tape Reel φ 13 inch
K=Embossed Plastic Tape Reel φ 7 inch
F= Embossed Plastic Tape Reel φ 13 inch
B= Bulk Bag
C=Bulk Cassette
N=Semi-finished

Code 11
Rated Voltage

5=6.3V
6=10V
7=16V
8=25V
9=50V
0=100V
A=200V
Y=250V
B=500V
C=1KV
D=2KV
E=3KV
H=4KV

Code 13
Process Code

N=Non BME
B=BME