



Surface Mount Multilayer Ceramic Capacitors

Specifications

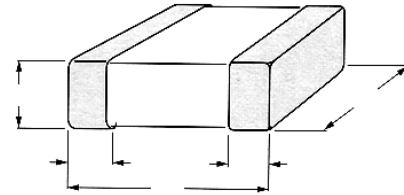


Part Number Determination

VJ0402A101JXQCW1BC							
VJ0402	A	101	J	X	Q	C	W1BC
SIZE	DIELECTRIC	CAPACITANCE	TOLERANCE	TERMINATION	VOLTAGE	PACKAGING	TECHNOLOGY
VJ0402 VJ0603 VJ0805 VJ1206 VJ1210 VJ1808 VJ1812	A=COG (NPO) G=X5R Y=X7R V=Y5V	2 significant digits + # of zeros 101=100pF 102=1000pF 1R0=1.0pF	B=±0.1pF C=±0.25pF D=±0.5pF J=±5% K=±10% M=±20% Z=-20/+80%	X=Ni Barrier	Y=6.3V Q=10V J=16V K,X=25V A=50V B=100V C=200V P=250V E=500V G=1000V F=2000V H=3000V	C=7" Reel/Paper P=13" Reel/Paper T=7" Reel/Plastic R=13" Reel/Plastic	Process code for Vishay BCC MLCC

Package Dimensions in(mm)

Size Code	L	W	T Max.	MB
0402	0.040±0.002 (1.0±0.05)	0.020±0.002 (0.5±0.05)	0.022 (0.55)	0.010+0.002/-0.004 (0.25+0.05/-0.1)
0603	0.063±0.004 (1.6±0.10)	0.030±0.003 (0.8±0.07)	0.035 (0.87)	0.015±0.006 (0.40±0.15)
0805	0.080±0.006 (2.0±0.15)	0.050±0.004 (1.25±0.10)	0.053 (1.35)	0.020±0.008 (0.50±0.20)
1206	0.125±0.006 (3.2±0.15)	0.063±0.006 (1.6±0.15) 0.063±0.008 (1.6±0.20)	0.069 (1.8)	0.025±0.008 (0.60±0.20)



Land Pattern

Size Code	A	B	C	D	E	F	G
0402 reflow	1.50	0.50	0.50	0.50	0.10	1.75	0.95
0603 reflow	2.30	0.70	0.80	0.80	0.20	2.55	1.40
0603 wave	2.40	1.00	0.70	0.80	0.20	3.10	1.90
0805 reflow	2.80	1.00	0.90	1.30	0.40	3.08	1.85
0805 wave	3.20	1.40	0.90	1.30	0.36	4.10	2.50
1206 reflow	4.00	2.20	0.90	1.60	1.60	4.25	2.25
1206 wave	4.80	2.30	1.25	1.70	1.25	5.90	3.20

