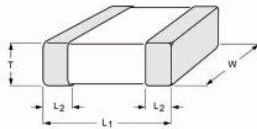


Ceramic SMD Capacitors

(continued)

1206 Series



YAGEO

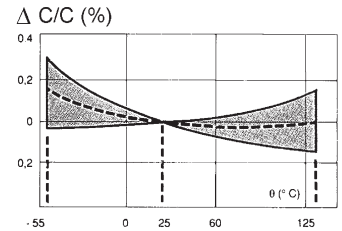
Technical parameters	K1206
Size	1206
Tolerance	NPO: ±5% , X7R: ±10%
Operating temp. range	-55°C to +125°C
Rated voltage	50V
Dimensions L ₁ xWxT, L ₂	3,20x1,60x0,5±1,25mm, 0,4mm
Package	reel : 4000 pcs
Ordering code	K1206 22pF 50V NPO

Capacitance	Ord.No.	Dielectric
50V		
S 1pF	36877	NPO
S 1,5pF	36879	NPO
S 1,8pF	36880	NPO
S 2,2pF	36881	NPO
S 2,7pF	36882	NPO
S 3,3pF	36883	NPO
S 3,9pF	31544	NPO
S 4,7pF	36884	NPO
S 5,6pF	36885	NPO
S 6,8pF	36886	NPO
S 8,2pF	36887	NPO
S 10pF	36888	NPO
S 12pF	36889	NPO
S 15pF	36890	NPO
S 18pF	36891	NPO
S 22pF	36892	NPO
S 27pF	36893	NPO
S 33pF	36894	NPO
S 39pF	36895	NPO
S 47pF	36896	NPO
S 56pF	36897	NPO
S 68pF	36898	NPO
S 82pF	36899	NPO
S 100pF	36900	NPO
S 120pF	36901	NPO
S 150pF	36902	NPO
S 180pF	36903	NPO
S 220pF	36904	NPO
S 270pF	36905	NPO
S 330pF	36906	NPO
S 390pF	36907	NPO
S 470pF	36908	NPO
S 560pF	36909	NPO
S 680pF	36910	NPO
S 820pF	36911	NPO
S 1nF	36972	X7R
O 1,2nF	36973	X7R
S 1,5nF	36974	X7R
S 1,8nF	36975	X7R
S 2,2nF	36976	X7R
S 3,3nF	36978	X7R
O 3,9nF	36979	X7R
S 4,7nF	36980	X7R
S 6,8nF	36982	X7R
S 10nF	36984	X7R
S 15nF	36986	X7R
S 22nF	36988	X7R
S 33nF	36990	X7R
S 47nF	36992	X7R

S 68nF	36994	X7R
S 100nF	36996	X7R
S 220nF	37009	Y5V
S 470nF	40719	Y5V
S 680nF	53950	Y5V
S 1uF	36797	Y5V
S 1uF (16V)	41312	X7R
S 2,2uF(10V)	46009	X7R

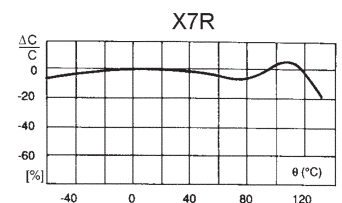
NPO (COG)

Class I capacitors: Temperature compensating capacitors, suitable for resonant circuit application or other applications where high Q and stability of capacitance characteristics are required. Class I capacitors have predictable temperature coefficients and are not effected by voltage, frequency or time. They are made from materials which are not ferro-electric, yielding superior stability but low volumetric efficiency. Class I capacitors are the most stable type available, but have the lowest volumetric efficiency.



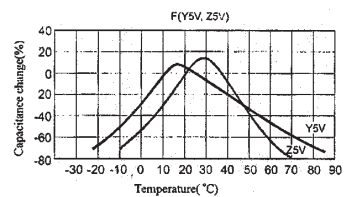
X7R

Class II capacitors: Stable capacitors, suitable for bypass or coupling applications or frequency discriminating circuits where Q and stability of capacitance characteristics are not of major importance. Class II capacitors have temperature characteristics of ± 15% or less. They are made from materials which are ferro-electric, yielding higher volumetric efficiency but less stability. Class II capacitors are affected by temperature, voltage, frequency and time.



Y5V

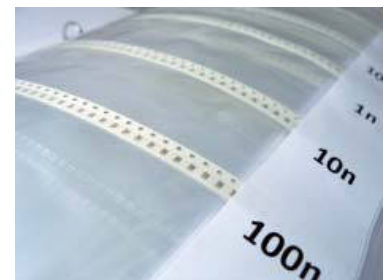
Class III capacitors: General purpose capacitors, suitable for by-pass coupling or other applications in which dielectric losses, high insulation resistance and stability of capacitance characteristics are of little or no importance. Class III capacitors are similar to Class II capacitors except for temperature characteristics, which are greater than ± 15%. Class III capacitors have the highest volumetric efficiency and poorest stability of any type.



CAPACITANCE CONVERSION TABLE

0,000 001 μF	=	0,001 nF	=	1 pF
0,000 01 μF	=	0,01 nF	=	10 pF
0,000 1 μF	=	0,1 nF	=	100 pF
0,001 μF	=	1 nF	=	1 000 pF
0,01 μF	=	10 nF	=	10 000 pF
0,1 μF	=	100 nF	=	100 000 pF
1 μF	=	1 000 nF	=	1 000 000 pF
10 μF	=	10 000 nF	=	10 000 000 pF
100 μF	=	100 000 nF	=	100 000 000 pF

SMD SET K1206



Set of 49 most common SMD capacitors 1206 size at 50 pcs each:
 1pF up to 820pF - E12 NPO
 1nF up to 100nF - E6 X7R
 All the capacitors are reel packed.

Part No.	Ord.No.	Description
S SMD SET K1206	51166	MLCC Designer Kit K1206