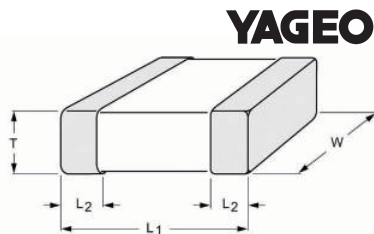


## 0805 Series



**YAGEO**

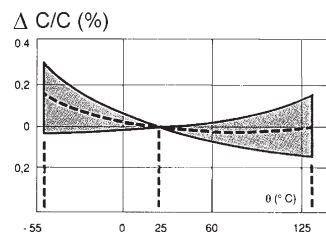
Technical parameters	K0805
Size	0805
Dimensions L <sub>1</sub> xWxT, L <sub>2</sub>	2x1,25x0,5+1,35mm, 0,4mm
Tolerance	NPO: ±5%, X7R: ±10%
Operating temperature range	-55°C to +125°C
Rated voltage	50V
Package	reel : 4000 pcs
Ordering code	K0805 22pF 50V NPO

Capacitance	Dielectric	Ord.No.
<b>50V</b>		
S 1pF	NPO	36840
S 1,2pF	NPO	36841
S 1,5pF	NPO	36842
S 1,8pF	NPO	36843
S 2,2pF	NPO	36844
S 2,7pF	NPO	36845
S 3,3pF	NPO	36846
S 3,9pF	NPO	36847
S 4,7pF	NPO	36848
S 5,6pF	NPO	36849
S 6,8pF	NPO	36850
S 8,2pF	NPO	36851
S 10pF	NPO	36852
S 12pF	NPO	36853
S 15pF	NPO	36854
S 18pF	NPO	36855
S 22pF	NPO	36856
S 27pF	NPO	36857
S 33pF	NPO	36858
S 39pF	NPO	36859
S 47pF	NPO	36860
S 56pF	NPO	36861
S 68pF	NPO	36862
S 82pF	NPO	36863
S 100pF	NPO	36864
S 120pF	NPO	36865
S 150pF	NPO	36866
S 180pF	NPO	36867
S 220pF	NPO	36868
S 270pF	NPO	36869
S 330pF	NPO	36870
S 390pF	NPO	36871
S 470pF	NPO	36872
S 560pF	NPO	36873
S 680pF	NPO	36874
S 820pF	NPO	36875
S 1nF	X7R	36945
S 1,2nF	X7R	36946
S 1,5nF	X7R	36947
S 2,2nF	X7R	36949
O 2,7nF	X7R	36950
S 3,3nF	X7R	36951
O 3,9nF	X7R	36952
S 4,7nF	X7R	36953
S 6,8nF	X7R	36955
S 10nF	X7R	36957
S 15nF	X7R	36959
S 22nF	X7R	36961

S 33nF	X7R	36963
S 47nF	X7R	36965
S 68nF	X7R	41010
S 100nF	X7R	40466

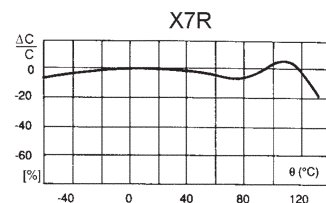
### NPO (COG)

Suitable for HF devices, oscillating circuits, filters, timing circuits and fast rise time circuits.  
Features: temperature stability, high insulation resistance, low insertion loss.



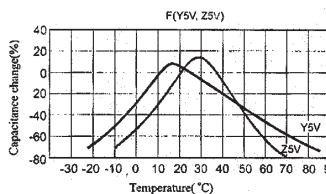
### X7R

Suitable for applications requiring stable electrical properties. These chips are designed for surface mount application with nickel barrier terminations suitable for solder wave, vapor phase or reflow solder board attachment. They are used as decoupling, bypass, filtering.  
Features: high volume capacitance, nonlinear capacitance change, high insulation resistance



### Y5V

Y5V dielectric offers the highest volumetric efficiency. Applications would include bypass and decoupling circuits where temperature dependence is not of major importance.

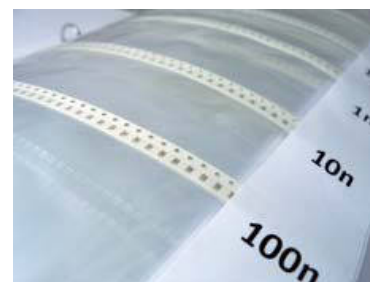


### CAPACITANCE CONVERSION TABLE

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

We supply SMD capacitor kits for designing purposes.  
If you are interested, do not hesitate to contact us.

### SMD SET K0805



Set of 49 most common SMD capacitors 0805 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 K0805	51165	MLCC Designer Kit K0805