



For over 20 years, we have been designing and creating the world's only professional Super SMT Capacitor Kits™ which offer the most convenience for obtaining any value of SMT capacitors in the shortest time with the highest accuracy. The **Super SMT Capacitor Kit™** has one of these options in capacitor size and number of values:

**0402 size 70 values**, 0.5pF to 1.0uF,  
±0.25pF or ±5% to ±10%;

**0603 size 79 values**, 0.5pF to 4.7uF,  
±0.25pF or ±5% to ±20%;

**0805 size 83 values**, 0.5pF to 22uF,  
±0.25pF or ±5% to ±20%;

**1206 size 77 values**, 1.5pF to 47uF,  
±0.25pF or ±5% to ±20%.

In terms of number of pieces per value, it can be: 50PCs, 100PCs, 200PCs and 500PCs.

The capacitors are pre-sorted and stored separately with their main specifications, capacitance, material, voltage, and tolerance, clearly marked on each lid, see the photo on the right side, in our unique sturdy snap-lock

**Super SMT Component Enclosure™**, which has **128 individually lidded compartments**, 0.87" (L) x 0.59" (W) x 0.63" (D) or 22 x 15 x 16 (mm).

The enclosure takes up the same surface space as a letter sized paper measuring only: **11" (L) x 8.5" (W) x 1.75" (H)** or

**280 x 216 x 45 (mm).**

Operating the enclosure is easy and convenient that your time for obtaining a particular capacitor is minimized to just seconds. The kits can easily be placed on a work bench, put on a shelf, or transported to other sites, making them the best choice for building prototypes, doing experiments on new circuits, or reworking printed circuit boards.

For more detailed information:

[www.analogtechnologies.com](http://www.analogtechnologies.com)

[www.smtzone.com](http://www.smtzone.com)

E-mail us: [staff@analogti.com](mailto:staff@analogti.com)



All the capacitors are supplied by [TDK](#).

The following tables show the information of the capacitors.

Capacitor (0402)	Manufacturer Part Number	Dielectric/Voltage/Tolerance
0.5pF	C1005COG1H0R5CT	NPO/50V/±0.25pF
0.6pF	C1005COG1H0R6CT	NPO/50V/±0.25pF
0.7pF	C1005COG1H0R7CT	NPO/50V/±0.25pF
0.8pF	C1005COG1H0R8CT	NPO/50V/±0.25pF
0.9pF	C1005COG1H0R9CT	NPO/50V/±0.25pF
1.0pF	C1005COG1H1R0CT	NPO/50V/±0.25pF
1.2pF	C1005COG1H1R2CT	NPO/50V/±0.25pF
1.5pF	C1005COG1H1R5CT	NPO/50V/±0.25pF
1.8pF	C1005COG1H1R8CT	NPO/50V/±0.25pF
2.2pF	C1005COG1H2R2CT	NPO/50V/±0.25pF
2.7pF	C1005COG1H2R7CT	NPO/50V/±0.25pF
3.3pF	C1005COG1H3R3CT	NPO/50V/±0.25pF
3.9pF	C1005COG1H3R9CT	NPO/50V/±0.25pF
4.7pF	C1005COG1H4R7CT	NPO/50V/±0.25pF
5.6pF	C1005COG1H5R6DT	NPO/50V/±0.5pF
6.8pF	C1005COG1H6R8DT	NPO/50V/±0.5pF
8.2pF	C1005COG1H8R2DT	NPO/50V/±0.5pF
10pF	C1005COG1H100JT	NPO/50V/±5%
12pF	C1005COG1H120JT	NPO/50V/±5%
15pF	C1005COG1H150JT	NPO/50V/±5%
18pF	C1005COG1H180JT	NPO/50V/±5%
22pF	C1005COG1H220JT	NPO/50V/±5%
27pF	C1005COG1H270JT	NPO/50V/±5%
33pF	C1005COG1H330JT	NPO/50V/±5%
39pF	C1005COG1H390JT	NPO/50V/±5%
47pF	C1005COG1H470JT	NPO/50V/±5%
56pF	C1005COG1H560JT	NPO/50V/±5%
68pF	C1005COG1H680JT	NPO/50V/±5%
82pF	C1005COG1H820JT	NPO/50V/±5%
100pF	C1005COG1H101JT	NPO/50V/±5%
120pF	C1005COG1H121JT	NPO/50V/±5%
150pF	C1005COG1H151JT	NPO/50V/±5%
180pF	C1005COG1H181JT	NPO/50V/±5%
220pF	C1005COG1H221JT	NPO/50V/±5%
270pF	C1005X7R1H271KT	X7R/50V/±10%

Capacitor (0402)	Manufacturer Part Number	Dielectric/Voltage/Tolerance
330pF	C1005X7R1H331KT	X7R/50V/±10%
390pF	C1005X7R1H391KT	X7R/50V/±10%
470pF	C1005X7R1H471KT	X7R/50V/±10%
560pF	C1005X7R1H561KT	X7R/50V/±10%
680pF	C1005X7R1H681KT	X7R/50V/±10%
820pF	C1005X7R1H821KT	X7R/50V/±10%
1.0nF	C1005X7R1H102KT	X7R/50V/±10%
1.2nF	C1005X7R1H122KT	X7R/50V/±10%
1.5nF	C1005X7R1H152KT	X7R/50V/±10%
1.8nF	C1005X7R1H182KT	X7R/50V/±10%
2.2nF	C1005X7R1H222KT	X7R/50V/±10%
2.7nF	C1005X7R1H272KT	X7R/50V/±10%
3.3nF	C1005X7R1H332KT	X7R/50V/±10%
3.9nF	C1005X7R1H392KT	X7R/50V/±10%
4.7nF	C1005X7R1H472KT	X7R/50V/±10%
5.6nF	C1005X7R1H562KT	X7R/50V/±10%
6.8nF	C1005X7R1H682KT	X7R/50V/±10%
8.2nF	C1005X7R1H822KT	X7R/50V/±10%
10nF	C1005X7R1H103KT	X7R/50V/±10%
12nF	C1005X7R1C123KT	X7R/16V/±10%
15nF	C1005X7R1C153KT	X7R/16V/±10%
18nF	C1005X7R1C183KT	X7R/16V/±10%
22nF	C1005X7R1C223KT	X7R/16V/±10%
27nF	C1005X7R1C273KT	X7R/16V/±10%
33nF	C1005X7R1C333KT	X7R/16V/±10%
39nF	C1005X7R1A393KT	X7R/10V/±10%
47nF	C1005X7R1A473KT	X7R/10V/±10%
56nF	C1005X7R1A563KT	X7R/10V/±10%
68nF	C1005X7R1A683KT	X7R/10V/±10%
82nF	C1005X7R1A823KT	X7R/10V/±10%
100nF	C1005X7R1A104KT	X7R/10V/±10%
220nF	C1005X5R0J224KT	X5R/6.3V/±10%
330nF	C1005X5R0J334KT	X5R/6.3V/±10%
470nF	C1005X5R0J474KT	X5R/6.3V/±10%
1.0uF	C1005X5R0J105KT	X5R/6.3V/±10%



Capacitor (0603)	Manufacturer Part Number	Dielectric/Voltage/Tolerance
0.5pF	C1608COG1H0R5CT	NPO/50V/±0.25pF
0.6pF	C1608COG1H0R6CT	NPO/50V/±0.25pF
0.7pF	C1608COG1H0R7CT	NPO/50V/±0.25pF
0.8pF	C1608COG1H0R8CT	NPO/50V/±0.25pF
0.9pF	C1608COG1H0R9CT	NPO/50V/±0.25pF
1.0pF	C1608COG1H1R0CT	NPO/50V/±0.25pF
1.2pF	C1608COG1H1R2CT	NPO/50V/±0.25pF
1.5pF	C1608COG1H1R5CT	NPO/50V/±0.25pF
1.8pF	C1608COG1H1R8CT	NPO/50V/±0.25pF
2.2pF	C1608COG1H2R2CT	NPO/50V/±0.25pF
2.7pF	C1608COG1H2R7CT	NPO/50V/±0.25pF
3.3pF	C1608COG1H3R3CT	NPO/50V/±0.25pF
3.9pF	C1608COG1H3R9CT	NPO/50V/±0.25pF
4.7pF	C1608COG1H4R7CT	NPO/50V/±0.25pF
5.6pF	C1608COG1H5R6DT	NPO/50V/±0.5pF
6.8pF	C1608COG1H6R8DT	NPO/50V/±0.5pF
8.2pF	C1608COG1H8R2DT	NPO/50V/±0.5pF
10pF	C1608COG1H100DT	NPO/50V/±0.5pF
12pF	C1608COG1H120JT	NPO/50V/±5%
15pF	C1608COG1H150JT	NPO/50V/±5%
18pF	C1608COG1H180JT	NPO/50V/±5%
22pF	C1608COG1H220JT	NPO/50V/±5%
27pF	C1608COG1H270JT	NPO/50V/±5%
33pF	C1608COG1H330JT	NPO/50V/±5%
39pF	C1608COG1H390JT	NPO/50V/±5%
47pF	C1608COG1H470JT	NPO/50V/±5%
56pF	C1608COG1H560JT	NPO/50V/±5%
68pF	C1608COG1H680JT	NPO/50V/±5%
82pF	C1608COG1H820JT	NPO/50V/±5%
100pF	C1608COG1H101JT	NPO/50V/±5%
120pF	C1608COG1H121JT	NPO/50V/±5%
150pF	C1608COG1H151JT	NPO/50V/±5%
180pF	C1608COG1H181JT	NPO/50V/±5%
220pF	C1608COG1H221JT	NPO/50V/±5%
270pF	C1608COG1H271JT	NPO/50V/±5%
330pF	C1608COG1H331JT	NPO/50V/±5%
390pF	C1608COG1H391JT	NPO/50V/±5%
470pF	C1608COG1H471JT	NPO/50V/±5%
560pF	C1608COG1H561JT	NPO/50V/±5%

Capacitor (0603)	Manufacturer Part Number	Dielectric/Voltage/Tolerance
680pF	C1608COG1H681JT	NPO/50V/±5%
820pF	C1608COG1H821JT	NPO/50V/±5%
1.0nF	C1608X7R1H102KT	X7R/50V/±10%
1.2nF	C1608X7R1H122KT	X7R/50V/±10%
1.5nF	C1608X7R1H152KT	X7R/50V/±10%
1.8nF	C1608X7R1H182KT	X7R/50V/±10%
2.2nF	C1608X7R1H222KT	X7R/50V/±10%
2.7nF	C1608X7R1H272KT	X7R/50V/±10%
3.3nF	C1608X7R1H332KT	X7R/50V/±10%
3.9nF	C1608X7R1H392KT	X7R/50V/±10%
4.7nF	C1608X7R1H472KT	X7R/50V/±10%
5.6nF	C1608X7R1H562KT	X7R/50V/±10%
6.8nF	C1608X7R1H682KT	X7R/50V/±10%
8.2nF	C1608X7R1H822KT	X7R/50V/±10%
10nF	C1608X7R1H103KT	X7R/50V/±10%
12nF	C1608X7R1H123KT	X7R/50V/±10%
15nF	C1608X7R1H153KT	X7R/50V/±10%
18nF	C1608X7R1C183KT	X7R/16V/±10%
22nF	C1608X7R1C223KT	X7R/16V/±10%
27nF	C1608X7R1C273KT	X7R/16V/±10%
33nF	C1608X7R1C333KT	X7R/16V/±10%
39nF	C1608X7R1C393KT	X7R/16V/±10%
47nF	C1608X7R1C473KT	X7R/16V/±10%
56nF	C1608X7R1C563KT	X7R/16V/±10%
68nF	C1608X7R1C683KT	X7R/16V/±10%
82nF	C1608X7R1C823KT	X7R/16V/±10%
100nF	C1608X7R1C104KT	X7R/16V/±10%
120nF	C1608X7R1C124KT	X7R/16V/±10%
150nF	C1608X5R1A154KT	X5R/10V/±10%
180nF	C1608X5R1A184KT	X5R/10V/±10%
220nF	C1608X5R1A224KT	X5R/10V/±10%
270nF	C1608X5R1A274KT	X5R/10V/±10%
330nF	C1608X5R1A334KT	X5R/10V/±10%
390nF	C1608X5R1A394KT	X5R/10V/±10%
470nF	C1608X5R1A474KT	X5R/10V/±10%
680nF	C1608X5R1A684KT	X5R/10V/±10%
820nF	C1608X5R1A824KT	X5R/10V/±10%
1.0uF	C1608X5R0J105KT	X5R/6.3V/±10%
2.2uF	C1608X5R0J225MT	X5R/6.3V/±20%
4.7uF	C1608X5R0J475MT	X5R/6.3V/±20%



Capacitor (0805)	Manufacturer Part Number	Dielectric/Voltage/Tolerance
0.5pF	C2012COG1H0R5CT	NPO/50V/±0.25pF
0.6pF	C2012COG1H0R6CT	NPO/50V/±0.25pF
0.7pF	C2012COG1H0R7CT	NPO/50V/±0.25pF
0.8pF	C2012COG1H0R8CT	NPO/50V/±0.25pF
0.9pF	C2012COG1H0R9CT	NPO/50V/±0.25pF
1.0pF	C2012COG1H1R0CT	NPO/50V/±0.25pF
1.2pF	C2012COG1H1R2CT	NPO/50V/±0.25pF
1.5pF	C2012COG1H1R5CT	NPO/50V/±0.25pF
1.8pF	C2012COG1H1R8CT	NPO/50V/±0.25pF
2.2pF	C2012COG1H2R2CT	NPO/50V/±0.25pF
2.7pF	C2012COG1H2R7CT	NPO/50V/±0.25pF
3.3pF	C2012COG1H3R3CT	NPO/50V/±0.25pF
3.9pF	C2012COG1H3R9CT	NPO/50V/±0.25pF
4.7pF	C2012COG1H4R7CT	NPO/50V/±0.25pF
5.6pF	C2012COG1H5R6DT	NPO/50V/±0.5pF
6.8pF	C2012COG1H6R8DT	NPO/50V/±0.5pF
8.2pF	C2012COG1H8R2DT	NPO/50V/±0.5pF
10pF	C2012COG1H100DT	NPO/50V/±0.5pF
12pF	C2012COG1H120JT	NPO/50V/±5%
15pF	C2012COG1H150JT	NPO/50V/±5%
18pF	C2012COG1H180JT	NPO/50V/±5%
22pF	C2012COG1H220JT	NPO/50V/±5%
27pF	C2012COG1H270JT	NPO/50V/±5%
33pF	C2012COG1H330JT	NPO/50V/±5%
39pF	C2012COG1H390JT	NPO/50V/±5%
47pF	C2012COG1H470JT	NPO/50V/±5%
56pF	C2012COG1H560JT	NPO/50V/±5%
68pF	C2012COG1H680JT	NPO/50V/±5%
82pF	C2012COG1H820JT	NPO/50V/±5%
100pF	C2012COG1H101JT	NPO/50V/±5%
120pF	C2012COG1H121JT	NPO/50V/±5%
150pF	C2012COG1H151JT	NPO/50V/±5%
180pF	C2012COG1H181JT	NPO/50V/±5%
220pF	C2012COG1H221JT	NPO/50V/±5%
270pF	C2012COG1H221JT	NPO/50V/±5%
330pF	C2012COG1H331JT	NPO/50V/±5%
390pF	C2012COG1H391JT	NPO/50V/±5%
470pF	C2012COG1H471JT	NPO/50V/±5%
560pF	C2012COG1H561JT	NPO/50V/±5%
680pF	C2012COG1H681JT	NPO/50V/±5%
820pF	C2012COG1H821JT	NPO/50V/±5%

Capacitor (0805)	Manufacturer Part Number	Dielectric/Voltage/Tolerance
1.0nF	C2012COG1H102JT	NPO/50V/±5%
1.2nF	C2012COG1H122JT	NPO/50V/±5%
1.5nF	C2012COG1H152JT	NPO/50V/±5%
1.8nF	C2012COG1H182JT	NPO/50V/±5%
2.2nF	C2012COG1H222JT	NPO/50V/±5%
2.7nF	C2012COG1H272JT	NPO/50V/±5%
3.3nF	C2012COG1H332JT	NPO/50V/±5%
3.9nF	C2012COG1H392JT	NPO/50V/±5%
4.7nF	C2012X7R1H472KT	X7R/50V/±10%
5.6nF	C2012X7R1H562KT	X7R/50V/±10%
6.8nF	C2012X7R1H682KT	X7R/50V/±10%
8.2nF	C2012X7R1H822KT	X7R/50V/±10%
10nF	C2012X7R1H103KT	X7R/50V/±10%
12nF	C2012X7R1H123KT	X7R/50V/±10%
15nF	C2012X7R1H153KT	X7R/50V/±10%
18nF	C2012X7R1H183KT	X7R/50V/±10%
22nF	C2012X7R1H223KT	X7R/50V/±10%
27nF	C2012X7R1H273KT	X7R/50V/±10%
33nF	C2012X7R1H333KT	X7R/50V/±10%
39nF	C2012X7R1H393KT	X7R/50V/±10%
47nF	C2012X7R1H473KT	X7R/50V/±10%
56nF	C2012X7R1H563KT	X7R/50V/±10%
68nF	C2012X7R1H683KT	X7R/50V/±10%
82nF	C2012X7R1H823KT	X7R/50V/±10%
100nF	C2012X7R1H104KT	X7R/50V/±10%
120nF	C2012X7R1H124KT	X7R/50V/±10%
150nF	C2012X7R1H154KT	X7R/50V/±10%
180nF	C2012X7R1E184KT	X7R/25V/±10%
220nF	C2012X7R1E224KT	X7R/25V/±10%
270nF	C2012X7R1E274KT	X7R/25V/±10%
330nF	C2012X7R1E334KT	X7R/25V/±10%
390nF	C2012X7R1E394KT	X7R/25V/±10%
470nF	C2012X7R1E474KT	X7R/25V/±10%
560nF	C2012X7R1E564KT	X7R/25V/±10%
680nF	C2012X7R1E684KT	X7R/25V/±10%
820nF	C2012X7R1C824KT	X7R/16V/±10%
1.0uF	C2012X7R1C105KT	X7R/16V/±10%
2.2uF	C2012X5R1C225KT	X5R/16V/±10%
3.3uF	C2012X5R0J335KT	X5R/6.3V/±10%
4.7uF	C2012X5R0J475KT	X5R/6.3V/±10%
10uF	C2012X5R0J106KT	X5R/6.3V/±10%
22uF	C2012X5R0J226MT	X5R/6.3V/±20%



Capacitor (1206)	Manufacturer Part Number	Dielectric/Voltage/Tolerance
1.5pF	C3216COG1H1R5CT	NPO/50V/±0.25pF
1.8pF	C3216COG1H1R8CT	NPO/50V/±0.25pF
2.2pF	C3216COG1H2R2CT	NPO/50V/±0.25pF
2.7pF	C3216COG1H2R7CT	NPO/50V/±0.25pF
3.3pF	C3216COG1H3R3CT	NPO/50V/±0.25pF
3.9pF	C3216COG1H3R9CT	NPO/50V/±0.25pF
4.7pF	C3216COG1H4R7CT	NPO/50V/±0.25pF
5.6pF	C3216COG1H5R6DT	NPO/50V/±0.5pF
6.8pF	C3216COG1H6R8DT	NPO/50V/±0.5pF
8.2pF	C3216COG1H8R2DT	NPO/50V/±0.5pF
10pF	C3216COG1H100DT	NPO/50V/±0.5pF
12pF	C3216COG1H120JT	NPO/50V/±5%
15pF	C3216COG1H150JT	NPO/50V/±5%
18pF	C3216COG1H180JT	NPO/50V/±5%
22pF	C3216COG1H220JT	NPO/50V/±5%
27pF	C3216COG1H270JT	NPO/50V/±5%
33pF	C3216COG1H330JT	NPO/50V/±5%
39pF	C3216COG1H390JT	NPO/50V/±5%
47pF	C3216COG1H470JT	NPO/50V/±5%
56pF	C3216COG1H560JT	NPO/50V/±5%
68pF	C3216COG1H680JT	NPO/50V/±5%
82pF	C3216COG1H820JT	NPO/50V/±5%
100pF	C3216COG1H101JT	NPO/50V/±5%
120pF	C3216COG1H121JT	NPO/50V/±5%
150pF	C3216COG1H151JT	NPO/50V/±5%
180pF	C3216COG1H181JT	NPO/50V/±5%
220pF	C3216COG1H221JT	NPO/50V/±5%
270pF	C3216COG1H271JT	NPO/50V/±5%
330pF	C3216COG1H331JT	NPO/50V/±5%
390pF	C3216COG1H391JT	NPO/50V/±5%
470pF	C3216COG1H471JT	NPO/50V/±5%
560pF	C3216COG1H561JT	NPO/50V/±5%
680pF	C3216COG1H681JT	NPO/50V/±5%
820pF	C3216COG1H821JT	NPO/50V/±5%
1.0nF	C3216COG1H102JT	NPO/50V/±5%
1.2nF	C3216COG1H122JT	NPO/50V/±5%
1.5nF	C3216COG1H152JT	NPO/50V/±5%
1.8nF	C3216COG1H182JT	NPO/50V/±5%

Capacitor (1206)	Manufacturer Part Number	Dielectric/Voltage/Tolerance
2.2nF	C3216COG1H222JT	NPO/50V/±5%
2.7nF	C3216COG1H272JT	NPO/50V/±5%
3.3nF	C3216COG1H332JT	NPO/50V/±5%
3.9nF	C3216COG1H392JT	NPO/50V/±5%
4.7nF	C3216X7R1H472KT	X7R/50V/±10%
5.6nF	C3216X7R1H562KT	X7R/50V/±10%
6.8nF	C3216X7R1H682KT	X7R/50V/±10%
8.2nF	C3216X7R1H822KT	X7R/50V/±10%
10nF	C3216X7R1H103KT	X7R/50V/±10%
12nF	C3216X7R1H123KT	X7R/50V/±10%
15nF	C3216X7R1H153KT	X7R/50V/±10%
18nF	C3216X7R1H183KT	X7R/50V/±10%
22nF	C3216X7R1H223KT	X7R/50V/±10%
27nF	C3216X7R1H273KT	X7R/50V/±10%
33nF	C3216X7R1H333KT	X7R/50V/±10%
39nF	C3216X7R1H393KT	X7R/50V/±10%
47nF	C3216X7R1H473KT	X7R/50V/±10%
56nF	C3216X7R1H563KT	X7R/50V/±10%
68nF	C3216X7R1H683KT	X7R/50V/±10%
82nF	C3216X7R1H823KT	X7R/50V/±10%
100nF	C3216X7R1H104KT	X7R/50V/±10%
120nF	C3216X7R1H124KT	X7R/50V/±10%
150nF	C3216X7R1H154KT	X7R/50V/±10%
180nF	C3216X7R1E184KT	X7R/25V/±10%
220nF	C3216X7R1E224KT	X7R/25V/±10%
270nF	C3216X7R1E274KT	X7R/25V/±10%
330nF	C3216X7R1E334KT	X7R/25V/±10%
390nF	C3216X7R1E394KT	X7R/25V/±10%
470nF	C3216X7R1E474KT	X7R/25V/±10%
560nF	C3216X7R1E564KT	X7R/25V/±10%
680nF	C3216X7R1E684KT	X7R/25V/±10%
820nF	C3216X7R1C824KT	X7R/16V/±10%
1.0uF	C3216X7R1C105KT	X7R/16V/±10%
2.2uF	C3216X5R1C225KT	X5R/16V/±10%
3.3uF	C3216X5R0J 335KT	X5R/6.3V/±10%
4.7uF	C3216X5R0J 475KT	X5R/6.3V/±10%
10uF	C3216X5R0J106KT	X5R/6.3V/±10%
22uF	C3216X5R0J226MT	X5R/6.3V/±20%
47uF	C3216X5R0J476MT	X5R/6.3V/±20%