

# CERAMIC CAPACITOR ENGINEERING DESIGN KITS

Johanson Dielectrics, Inc. offers a variety of multi-layer chip capacitor sample kits for proto-type design work. Each kit is grouped by type, size, or voltage and contains a selection of popular values and tolerances. The chips are individually packaged in labeled plastic compartments for easy access. The general range of kit contents is described below. Specific part number details may be found at [JohansonDielectrics.com](http://JohansonDielectrics.com)



0402 CERAMIC CHIP CAPACITOR KIT					P/N: S-0402	
1400 piece sample assortment of selected values from 1.0pF to 0.1µF						
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty	
0402	50 VDC - 6.3 VDC	NPO, X7R,Y5V	1.0pF to 0.22µF	50 pcs	1400 pcs	

  

0603 CERAMIC CHIP CAPACITOR KIT					P/N: S-0603	
1400 piece sample assortment of selected values from 1.0pF to 0.1µF						
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty	
0603	50 VDC - 16 VDC	NPO, X7R,Y5V	10pF to 0.22µF	50 pcs	1400 pcs	

  

0805 CERAMIC CHIP CAPACITOR KIT					P/N: S-0805	
1400 piece sample assortment of selected values from 1.0pF to 0.1µF						
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty	
0805	100 VDC - 16 VDC	NPO, X7R	10pF to 0.47µF	50 pcs	1400 pcs	

  

TANCERAM® HIGH CAPACITANCE CERAMIC CHIP CAPACITOR KIT					P/N: S-TAN-X5R	
500 piece sample assortment of selected values from 1.0µF to 100µF						
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty	
0402, 0603, 0805 1206, 1210	25 VDC - 6.3 VDC	X5R	1.0µF - 100µF	10 - 25 pcs	500 pcs	

  

500 VDC CERAMIC CHIP CAPACITOR KIT					P/N: S-500	
400 piece sample assortment of selected values from 33pF to 0.1µF						
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty	
0805 - 1812	500 VDC	NPO, X7R	33pF to 0.1µF	10-20 pcs	400 pcs	

  

1000 VDC CERAMIC CHIP CAPACITOR KIT					P/N: S-1KV	
400 piece sample assortment of selected values from 22pF to 0.1µF						
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty	
0805 - 2225	1000 VDC	NPO, X7R	22pF to 0.1µF	10-20 pcs	400 pcs	

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2000 VDC CERAMIC CHIP CAPACITOR KIT					P/N: S-2KV
300 piece sample assortment of selected values from 22pF to 0.022μF					
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty
1206 - 2225	2000 VDC	NPO, X7R	22pF to 0.022μF	10-20 pcs	300 pcs

X2/Y3 SAFETY CERTIFIED CERAMIC CHIP CAPACITOR KIT					P/N: S-SY3
240 piece sample assortment of selected values from 10pF to 1500 pF					
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty
1808	3KV DC / 250 AC	NPO, X7R	10pF to 1500 pF	20 pcs	240 pcs

X1/Y2 SAFETY CERTIFIED CERAMIC CHIP CAPACITOR KIT					P/N: S-SY2
200 piece sample assortment of selected values from 10pF to 2200 pF					
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty
1808 - 2220	5KV DC / 250 AC	NPO, X7R	10pF to 2200pF	20 pcs	200 pcs

X2Y® EMI FILTER CAPACITOR KIT - 0402 SIZE					P/N: S-X07CBK
600 piece sample assortment of selected values from 1.0pF to 0.01μF					
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty
0402	10 - 50 VDC	NPO, X7R	1.0pF to 0.01μF	50 pcs	600 pcs

X2Y® EMI FILTER CAPACITOR KIT - 0603 SIZE					P/N: S-X14CBK
700 piece sample assortment of selected values from 1.0pF to 0.01μF					
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty
0603	50 - 100 VDC	NPO, X7R	1.0pF to 0.01μF	50 pcs	700 pcs

X2Y® POWER BYPASS CAPACITOR KIT - 0603 SIZE					P/N: S-X14-PBP
300 piece sample assortment of selected values from 1.0nF to 1.0μF					
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty
0603	6.3 - 100 VDC	X7R, X5R	1.0nF to 1.0μF	20 pcs	300 pcs

X2Y® EMI FILTER CAPACITOR KIT - 0805 SIZE					P/N: S-X15-EMI
300 piece sample assortment of selected values from 1.0pF to 0.01μF					
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty
0805	50 - 100 VDC	NPO, X7R	1.0pF to 0.01μF	20 pcs	300 pcs

X2Y® DC MOTOR FILTER CAPACITOR KIT					P/N: S-X2Y-MTR
300 piece sample assortment of selected values from 0.10μF to 0.47μF					
Chip Size	Voltage Rating	Dielectric	Capacitanc Range	Qty / Value	Total Qty
1206 - 1812	100 VDC	X7R	0.10μF to 0.47μF	30 pcs	300 pcs

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