

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 www.johansondielectrics.com



| 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 | Capacitance 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 | Capacitance Range | Qty / Value | Total Qty |
| 0805 - 2225 | 1000 VDC | NPO, X7R | 22pF to 0.1µF | 10-20 pcs | 400 pcs |

| 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 | Capacitance Range | Qty / Value | Total Qty |
| 1206 - 2225 | 2000 VDC | NPO, X7R | 22pF to 0.022µF | 10-20 pcs | 300 pcs |

| X2 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 | Capacitance 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 | Capacitance Range | Qty / Value | Total Qty |
| 1808 - 2220 | 5KV DC / 250 VAC | NPO, X7R | 10pF to 2200pF | 20 pcs | 200 pcs |

*Johanson may from time-time adjust actual kit contents based on design demand trends.
Check the Johanson web site for design kit updates and kit content changes.*



CERAMIC CAPACITOR ENGINEERING DESIGN KITS

| 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 | Capacitance Range | Qty / Value | Total Qty |
| 0402 | 10 - 50 VDC | NP0, X7R | 1.0pF to 0.01μF | 50 pcs | 600 pcs |

| 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 | Capacitance Range | Qty / Value | Total Qty |
| 0603 | 50 - 100 VDC | NP0, X7R | 1.0pF to 0.01μF | 50 pcs | 700 pcs |

| POWER BYPASS Capacitor Kit - 0603 Size | | | | | P/N: S-X14-PBP |
|---|----------------|------------|-------------------|-------------|----------------|
| 300 piece sample assortment of selected values from 0.47nF to 0.220μF | | | | | |
| Chip Size | Voltage Rating | Dielectric | Capacitance Range | Qty / Value | Total Qty |
| 0603 | 6.3 - 100 VDC | X7R, X5R | 0.47nF to 0.22μF | 20 pcs | 300 pcs |

| EMI FILTER Capacitor Kit - 0805 Size | | | | | P/N: S-X15-EMI |
|---|----------------|------------|-------------------|-------------|----------------|
| 260 piece sample assortment of selected values from 1.0pF to 0.01μF | | | | | |
| Chip Size | Voltage Rating | Dielectric | Capacitance Range | Qty / Value | Total Qty |
| 0805 | 50 - 100 VDC | NP0, X7R | 1.0pF to 0.01μF | 20 pcs | 260 pcs |

| AUTOMOTIVE QUALIFIED capacitor kit | | | | | P/N: S-X2Y-AEC |
|---|----------------|------------|-------------------|-------------|----------------|
| 420 piece sample assortment of selected values from 100pF to 0.22μF | | | | | |
| Chip Size | Voltage Rating | Dielectric | Capacitance Range | Qty / Value | Total Qty |
| 0603, 0805, 1206 | 10 - 100 VDC | X7R | 100pF to 0.22μF | 30 pcs | 420 pcs |

*Johanson may from time-time adjust actual kit contents based on design demand trends.
Check the Johanson web site for design kit updates and kit content changes.*

