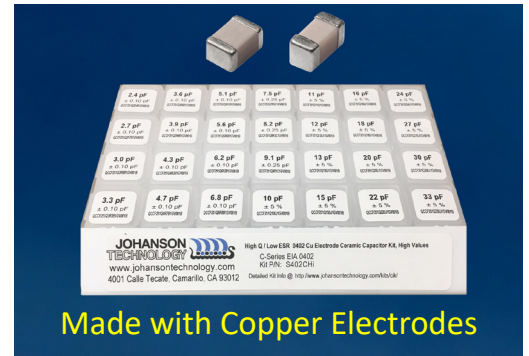


C-Series High Frequency Capacitor Kits

Johanson C-series are High-Q MLCC, ultra-low loss ceramic capacitors for high frequency applications. The C-Series is made with Copper electrodes, instead of Palladium and Silver, making them less subject to price volatility of precious metals. Therefore, prices for these low loss, low ESR capacitors will be more stable over time. The C-Series is available in EIA sizes 0402, 0603 and 0805. Each C-Series kit has 28 values.



Features:

- Lowest ESR in class
- Stable COG (NPO) temperature coefficient
- Highly reliable performance
- Enhanced ESR over 1.5 GHz
- Lead Free Terminations
 - > Cu Electrodes
 - > Barrier Layer: Ni
 - > External Termination Layer: 100% Sn standard

Benefits:

- Lower and more stable price than precious metal electrode High-Q products
- Extended battery life in mobile equipment
- Increased power output and higher efficiency from RF power amplifiers
- Reduced amount of heat generated through ultra-low ESR and High-Q
- The signal-to-noise ratio and overall noise temperature can be improved
- Lower in-band insertion loss (S21) when used in filter networks

End Product Applications:

- RF Power Amplifiers
- Wireless Meters
- RF Modules
- Receive Coils
- Voltage Controlled Oscillator
- RF Generators

Tolerances: A = ±0.05pF B = ±0.10 pF C = ±0.25pF J = ±5%

0402 High-Q / Low ESR Ceramic Capacitor Designer Kit, Low Values Johanson Kit PN: **S402CLO** / DigiKey PN: **712-S402CLO-ND**
 Values (pF) & tolerances 28 values. 50 pcs each
 .1 A, .2 A, .3 A, .4 A, .5 A, .6 B, .7 B, .8 B, .9 B, 1 B, 1.1 B, 1.2 B, 1.3 B, 1.4 B, 1.5 B, 1.6 B, 1.7 B, 1.8 B, 1.9 B, 2 B, 2.1 B, 2.2 B, 2.4 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B

0402 High-Q / Low ESR Ceramic Capacitor Designer Kit, High Values Johanson Kit PN: **S402CHI** / DigiKey PN: **712-S402CHI-ND**
 Values (pF) & tolerances 28 values. 50 pcs each
 2.4 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.3 B, 4.7 B, 5.1 B, 5.6 B, 6.2 B, 6.8 B, 7.5 C, 8.2 C, 9.1 C, 10 J, 11 J, 12 J, 13 J, 15 J, 16 J, 18 J, 20 J, 22 J, 24 J, 27 J, 30 J, 33 J

0603 High-Q / Low ESR Ceramic Capacitor Designer Kit, Low Values Johanson Kit PN: **S603CLO** / DigiKey PN: **712-S603CLOTR-ND**
 Values (pF) & tolerances 28 values. 50 pcs each
 .2 A, .3 A, .4 A, .5 A, .6 B, .7 B, .8 B, .9 B, 1 B, 1.1 B, 1.2 B, 1.3 B, 1.4 B, 1.5 B, 1.6 B, 1.7 B, 1.8 B, 1.9 B, 2 B, 2.1 B, 2.2 B, 2.4 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.3 B

0603 High-Q / Low ESR Ceramic Capacitor Designer Kit, High Values Johanson Kit PN: **S603CHI** / DigiKey PN: **712-S603CHI-ND**
 Values (pF) & tolerances 28 values. 50 pcs each
 4.7 B, 5.1 B, 5.6 B, 6.8 B, 7.5 C, 8.2 C, 9.1 C, 10 J, 12 J, 15 J, 18 J, 20 J, 22 J, 24 J, 27 J, 30 J, 33 J, 36 J, 39 J, 43 J, 47 J, 51 J, 56 J, 68 J, 75 J, 82 J, 91 J, 100 J

0805 High-Q / Low ESR Ceramic Capacitor Designer Kit, Low Values Johanson Kit PN: **S805CLO** / DigiKey PN: **712-S805CLOTR-ND**
 Values (pF) & tolerances 28 values. 50 pcs each
 .3 B, .5 B, .6 B, .7 B, .8 B, .8 B, 1 B, 1.1 B, 1.2 B, 1.3 B, 1.4 B, 1.5 B, 1.6 B, 1.7 B, 1.8 B, 1.9 B, 2 B, 2.1 B, 2.2 B, 2.4 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.3 B, 4.7 B, 5.1 B

0805 High-Q / Low ESR Ceramic Capacitor Designer Kit, High Values Johanson Kit PN: **S805CHI** / DigiKey PN: **712-S805CHI-ND**
 Values (pF) & tolerances 28 values. 50 pcs each
 5.6 B, 6.8 B, 7.5 C, 8.2 C, 9.1 C, 10 J, 12 J, 15 J, 18 J, 20 J, 22 J, 24 J, 27 J, 30 J, 33 J, 36 J, 39 J, 43 J, 47 J, 51 J, 56 J, 68 J, 82 J, 100 J, 120 J, 150 J, 180 J, 220 J