Capacitors for EMI Filtering

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Johanson Dielectrics introduces a new ceramic filter/decoupling capacitor utilizing X2Y® technology. The X2Y design incorporates common shielding electrodes that form a Faraday Cage around the standard capacitor. The addition of the common electrode creates two matched or balanced capacitors enabling simultaneous line-to-line and line-to-ground filtering. The matched capacitor design also eliminates temperature, voltage and aging differences. This new component virtually eliminates parasitic inductance and provides superior filter and decoupling performance, allowing multiple component replacement and space savings on the PC board. Available in chip sizes 0603 through 1812 and 1410.

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