



NEW! X8L and X8R Dielectric Multilayer Ceramic Chip Capacitors



X8R Series: Ultra Stable X8R Dielectric features a 150°C maximum operating temperature, offering the latest in high temperature dielectric technology and therefore a reliable choice for extreme temperature applications.

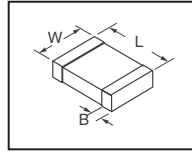


Table with columns: Size Code (EIA), Dimensions - mm (L, W, B). Rows include size codes 0402, 0603, 0805, 1206, 1210.

X8L Series: X8L Dielectric offers an operating temperature range from -55°C - 150°C with capacitance shift limited to ±15% from -55°C - 125°C and +15, -40% from 125°C - 150°C.

Please Note: For additional dimensions see data sheet.

Main product table for X8L and X8R capacitors. Columns: WV DC, Cap., Tol., Digi-Key Part No., Cut Tape Pricing (Qty, Pricing), Tape and Reel Qty, Pricing, Kemet Part No.

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† For Tape and Reel part number, change 1-ND to 2-ND

NEW! KPS Series Stacked MLCCs



KPS Series (KEMET Power Solutions) utilizes proprietary lead-frame technology to vertically stack one or two multilayer ceramic chip capacitors (MLCCs) into a single compact surface mount package.

- Benefits: Higher capacitance in the same footprint, Potential board space savings, Advanced protection against thermal and mechanical stress, Provides up to 10mm of board flex capability, Reduces audible, microphonic noise, Extremely low ESR and ESL, Automotive grade (AEC-Q200) under development.

Applications: Industrial, Automotive, Military, Telecom, Smoothing circuits, DC to DC converters, Power Supplies (input/output filters), Any application that is subject to high levels of board flexure or temperature cycling

Fig. 1 — Single

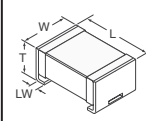


Fig. 2 — Double

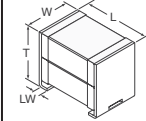


Table with columns: Chip Stack, Size Code, Dimensions - mm (L, W, T, LW). Rows include single and double stack configurations for size codes 1210 and 2220.

Main product table for KPS Series Stacked MLCCs. Columns: Fig., WV DC, Cap., Tol., Digi-Key Part No., Cut Tape Pricing (Qty, Pricing), Tape and Reel Qty, Pricing, Kemet Part No.

Main product table for KPS Series Stacked MLCCs. Columns: Fig., WV DC, Cap., Tol., Digi-Key Part No., Cut Tape Pricing (Qty, Pricing), Tape and Reel Qty, Pricing, Kemet Part No.

† For Tape and Reel part number, change 1-ND to 2-ND

Digi-Reel Most SMT cutdown parts are available on a Digi-Reel. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key Services on page 2 for additional information.

Free shipping on orders over \$200 CAD! All prices in Canadian dollars and include duty and brokerage fees.

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