

AVX Corporation will support those customers for commercial and military Multilayer Ceramic Capacitors with a termination consisting of $5 \%$ minimum lead. This termination is indicated by the use of a " $B$ " in the 12th position of the AVX Catalog Part Number. This fulfills AVX's commitment to providing a full range of products to our customers. AVX has provided in the following pages a full range of values that we are currently offering in this special " $B$ " termination. Please contact the factory if you require additional information on our MLCC Tin/Lead Termination "B" products.

Not RoHS Compliant

PART NUMBER (see page 2 for complete part number explanation)

| LD05 | 5 | A | 101 | J | A | B | 2 | A |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |
| Size LD02-0402 LD03-0603 LD04-0504* | Voltage $6.3 V=6$ $10 V=Z$ $16 \mathrm{~V}=\mathrm{Y}$ | $\begin{gathered} \text { Dielectric } \\ \text { COG (NPO) }=\mathrm{A} \\ \times 7 \mathrm{R}=\mathrm{C} \\ \text { X5R }=\mathrm{D} \end{gathered}$ | Capacitance Code (In pF) 2 Sig. Digits + Number of | $\begin{gathered} \text { Capacitance } \\ \text { Tolerance } \\ \mathrm{B}= \pm .10 \mathrm{pF}(<10 \mathrm{pF}) \\ \mathrm{C}= \pm .25 \mathrm{pF}(<10 \mathrm{pF}) \end{gathered}$ | Failure Rate A = Not Applicable | Terminations $B=5 \%$ min lead X $=$ FLEXITERM ${ }^{\oplus}$ | Packaging $2=7$ " Reel $4=13^{\prime \prime}$ Reel | Special <br> Code <br> A $=$ Std. Product |
| LD05-0805 | $25 \mathrm{~V}=3$ | X8R $=\mathrm{F}$ | Zeros | $\mathrm{D}= \pm .50 \mathrm{pF}(<10 \mathrm{pF})$ |  | whem | Contact Factory |  |
| LD06-1206 | $35 \mathrm{~V}=\mathrm{D}$ |  |  | $\mathrm{F}= \pm 1 \%(\geq 10 \mathrm{pF})$ |  |  |  |  |
| LD10-1210 | $50 \mathrm{~V}=5$ |  |  | $\mathrm{G}= \pm 2 \%$ ( $\geq 10 \mathrm{pF}$ ) |  |  | Multiples |  |
| LD12-1812 | $100 \mathrm{~V}=1$ |  |  | $J= \pm 5 \%$ |  | **X7R only |  |  |
| LD13-1825 | $200 V=2$ |  |  | $K= \pm 10 \%$ |  |  |  |  |
| LD14-2225 LD20-2220 | $500 \mathrm{~V}=7$ |  |  | $\mathrm{M}= \pm 20 \%$ |  |  |  |  |

*LD04 has the same CV ranges as LD03.

NOTE: Contact factory for availability of Tolerance Options for Specific Part Numbers.
Contact factory for non-specified capacitance values.

See FLEXITERM ${ }^{\circledR}$ section for CV options

## NPO

Refer to page 4 for Electrical Graphs

# MLCC Tin/Lead Termination "B" 

Capacitance Range (NPO Dielectric)

## PREFERRED SIZES ARE SHADED



## PREFERRED SIZES ARE SHADED



## MLCC Tin/Lead Termination "B"

Capacitance Range (X8R Dielectric)


MLCC Tin/Lead Termination "B"
Capacitance Range (X7R Dielectric)
PREFERRED SIZES ARE SHADED


| Letter | A | C | E | G | $J$ | K | M | N | P | Q | X | Y | Z |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Max. | 0.33 | 0.56 | 0.71 | 0.90 | 0.94 | 1.02 | 1.27 | 1.40 | 1.52 | 1.78 | 2.29 | 2.54 | 2.79 |
| Thickness | (0.013) | (0.022) | (0.028) | (0.035) | (0.037) | (0.040) | (0.050) | (0.055) | (0.060) | (0.070) | (0.090) | (0.100) | (0.110) |

= Under Development

## MLCC Tin/Lead Termination "B"

Capacitance Range (X7R Dielectric)
PREFERRED SIZES ARE SHADED


| Letter | A | C | E | G | $J$ | K | M | N | P | Q | X | Y | Z |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Max. Thickness | $\begin{gathered} 0.33 \\ (0.013) \end{gathered}$ | $\begin{gathered} 0.56 \\ (0.022) \end{gathered}$ | $\begin{gathered} \hline 0.71 \\ (0.028) \end{gathered}$ | $\begin{gathered} \hline 0.90 \\ (0.035) \end{gathered}$ | $\begin{gathered} 0.94 \\ (0.037) \end{gathered}$ | $\begin{gathered} 1.02 \\ (0.040) \end{gathered}$ | $\begin{gathered} 1.27 \\ (0.050) \end{gathered}$ | $\begin{gathered} 1.40 \\ (0.055) \end{gathered}$ | $\begin{gathered} \hline 1.52 \\ (0.060) \end{gathered}$ | $\begin{gathered} 1.78 \\ (0.070) \end{gathered}$ | $\begin{gathered} 2.29 \\ (0.090) \end{gathered}$ | $\begin{gathered} 2.54 \\ (0.100) \end{gathered}$ | $\begin{gathered} \hline 2.79 \\ (0.110) \end{gathered}$ |
|  | PAPER |  |  |  |  | EMBOSSED |  |  |  |  |  |  |  |

PREFERRED SIZES ARE SHADED

*Optional Specifications - Contact factory
NOTE: Contact factory for non-specified capacitance values

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1812J1K00473KXT 1812J2K00680JCT 1812J4K00102MXT 1812J5000102JCT 1812J5000103JCT 1812J5000682JCT NIN-FB391JTRF
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CGA2B2C0G1H680J CGA2B2C0G1H6R8D CGA2B2X8R1H221K CGA2B2X8R1H472K CGA3E1X7R1C474K
CGA3E2C0G1H561JT0Y0N

