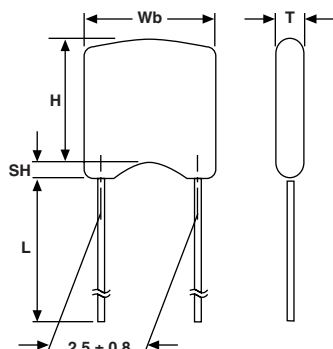
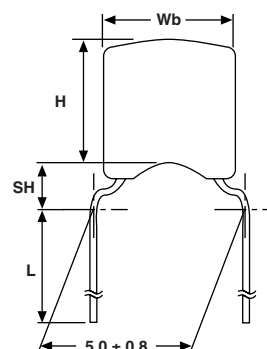


# Multilayer Ceramic Dipped Radial Capacitors 200 V<sub>DC</sub> and 500 V<sub>DC</sub>

## DIMENSIONS

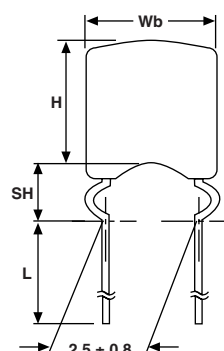

**L2**

Component outline for  
lead spacing  $2.5 \pm 0.8$  mm  
(straight leads)

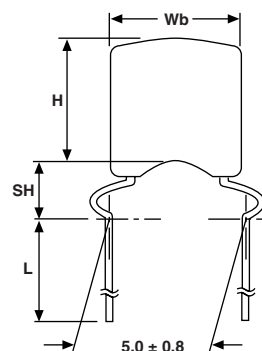

**H5**

Component outline for  
lead spacing  $5.0 \pm 0.8$  mm  
(flat bent leads)

L2 and H5 are preferred styles


**K2**

Component outline for  
lead spacing  $2.5 \pm 0.8$  mm  
(outside kink)


**K5**

Component outline for  
lead spacing  $5.0 \pm 0.8$  mm  
(outside kink)



**RoHS**  
COMPLIANT

| CAPACITOR DIMENSIONS AND WEIGHT in millimeter (inches) |                    |                   |                   |                          |                 |                 |                 |            |
|--------------------------------------------------------|--------------------|-------------------|-------------------|--------------------------|-----------------|-----------------|-----------------|------------|
| SIZE                                                   | Wb <sub>max.</sub> | H <sub>max.</sub> | T <sub>max.</sub> | MAX. SEATING HEIGHT (SH) |                 |                 |                 | WEIGHT (g) |
|                                                        |                    |                   |                   | L2                       | H5              | K2              | K5              |            |
| 15                                                     | 4.0<br>(0.157)     | 4.0<br>(0.157)    | 2.5<br>(0.098)    | 1.58<br>(0.062)          | 2.54<br>(0.100) | 3.50<br>(0.140) | 3.50<br>(0.140) | ≈ 0.15     |
| 20                                                     | 5.0<br>(0.197)     | 5.0<br>(0.197)    | 3.2<br>(0.126)    | 1.58<br>(0.062)          | 2.54<br>(0.100) | 3.50<br>(0.140) | 3.50<br>(0.140) | ≈ 0.16     |

### Note

- Bulk packed types have a standard lead length L = 25.4 mm (1.0") minimum
- Thickness is defined as "T"

## QUICK REFERENCE DATA

| DESCRIPTION              | VALUE                    |       |                           |       |
|--------------------------|--------------------------|-------|---------------------------|-------|
| Capacitance range        | 33 pF to 3900 pF         |       | 100 pF to 0.047 $\mu$ F   |       |
| Rated DC voltage         | 200 V                    | 500 V | 200 V                     | 500 V |
| Tolerance on capacitance | $\pm 5 \%$ , $\pm 10 \%$ |       | $\pm 10 \%$ , $\pm 20 \%$ |       |
| Dielectric Code          | C0G (NP0)                |       | X7R                       |       |

## ORDERING INFORMATION

| K                                          | 103                                                                                        | K                                                    | 15               | X7R         | K                                                  | 5                  | 3                                                                                          | H                                         | 5                                    |
|--------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------|------------------|-------------|----------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------|
| PRODUCT TYPE                               | CAPACITANCE CODE                                                                           | CAPACITANCE TOLERANCE                                | SIZE CODE        | TEMP. CHAR. | RATED VOLTAGE                                      | LEAD DIA.          | LEAD LENGTH/ PACKAGING                                                                     | LEAD STYLE                                | LEAD SPACING                         |
| K = Mono-Kap                               | Two significant digits followed by the number of zeros.<br>For example:<br>103 = 10 000 pF | J = $\pm 5 \%$<br>K = $\pm 10 \%$<br>M = $\pm 20 \%$ | Ref. mech. spec. | C0G<br>X7R  | K = 200 V <sub>DC</sub><br>L = 500 V <sub>DC</sub> | 5 = 0.5 mm (0.20") | 3 = Bulk, with lead length of 30 $\pm$ 5.0 mm (1.25")<br>T = Tape and reel<br>U = Ammopack | L = Straight Lead<br>H = High seated assy | 2 = 2.5 (0.100")<br>5 = 5.0 (0.200") |
| Ordering Example: K-103-K-15-X7R-K-5-3-H-5 |                                                                                            |                                                      |                  |             |                                                    |                    |                                                                                            |                                           |                                      |



## CAPACITANCE RANGE CHART

| C0G (NP0) DIELECTRIC |      |     |     |     |     |
|----------------------|------|-----|-----|-----|-----|
| SIZE                 |      | 15  |     | 20  |     |
| RATED VOLTAGE        |      | 200 | 500 | 200 | 500 |
| VALUE                | CODE |     |     |     |     |
| 10 pF                | 100  |     |     |     |     |
| 12 pF                | 120  |     |     |     |     |
| 15 pF                | 150  |     |     |     |     |
| 18 pF                | 180  |     |     |     |     |
| 22 pF                | 220  |     |     |     |     |
| 27 pF                | 270  |     |     |     |     |
| 33 pF                | 330  | •   | •   |     |     |
| 39 pF                | 390  | •   | •   |     |     |
| 47 pF                | 470  | •   | •   |     |     |
| 56 pF                | 560  | •   | •   |     |     |
| 68 pF                | 680  | •   | •   |     |     |
| 82 pF                | 820  | •   | •   |     |     |
| 100 pF               | 101  | •   | •   |     |     |
| 120 pF               | 121  | •   | •   |     |     |
| 150 pF               | 151  | •   | •   |     |     |
| 180 pF               | 181  | •   | •   |     |     |
| 220 pF               | 221  | •   | •   |     |     |
| 270 pF               | 271  | •   | •   |     |     |
| 330 pF               | 331  | •   | •   |     |     |
| 390 pF               | 391  | •   | •   |     |     |
| 470 pF               | 471  | •   |     |     | •   |
| 560 pF               | 561  | •   |     |     | •   |
| 680 pF               | 681  | •   |     |     | •   |
| 820 pF               | 821  | •   |     |     | •   |
| 1000 pF              | 102  |     |     | •   | •   |
| 1200 pF              | 122  |     |     | •   | •   |
| 1500 pF              | 152  |     |     | •   | •   |
| 1800 pF              | 182  |     |     | •   | •   |
| 2200 pF              | 222  |     |     | •   |     |
| 2700 pF              | 272  |     |     | •   |     |
| 3300 pF              | 332  |     |     | •   |     |
| 3900 pF              | 392  |     |     | •   |     |
| 4700 pF              | 472  |     |     |     |     |
| 5600 pF              | 562  |     |     |     |     |
| 6800 pF              | 682  |     |     |     |     |
| 8200 pF              | 822  |     |     |     |     |
| 0.01 µF              | 103  |     |     |     |     |

| X7R DIELECTRIC |      |     |     |     |     |
|----------------|------|-----|-----|-----|-----|
| SIZE           |      | 15  |     | 20  |     |
| RATED VOLTAGE  |      | 200 | 500 | 200 | 500 |
| VALUE          | CODE |     |     |     |     |
| 100 pF         | 101  | •   | •   |     |     |
| 120 pF         | 121  | •   | •   |     |     |
| 150 pF         | 151  | •   | •   |     |     |
| 180 pF         | 181  | •   | •   |     |     |
| 220 pF         | 221  | •   | •   |     |     |
| 270 pF         | 271  | •   | •   |     |     |
| 330 pF         | 331  | •   | •   |     |     |
| 390 pF         | 391  | •   | •   |     |     |
| 470 pF         | 471  | •   | •   |     |     |
| 560 pF         | 561  | •   | •   |     |     |
| 680 pF         | 681  | •   | •   |     |     |
| 820 pF         | 821  | •   | •   |     |     |
| 1000 pF        | 102  | •   | •   |     |     |
| 1200 pF        | 122  | •   | •   |     |     |
| 1500 pF        | 152  | •   | •   |     |     |
| 1800 pF        | 182  | •   | •   |     |     |
| 2200 pF        | 222  | •   | •   |     |     |
| 2700 pF        | 272  | •   | •   |     |     |
| 3300 pF        | 332  | •   |     |     | •   |
| 3900 pF        | 392  | •   |     |     | •   |
| 4700 pF        | 472  | •   |     |     | •   |
| 5600 pF        | 562  | •   |     |     | •   |
| 6800 pF        | 682  | •   |     |     | •   |
| 8200 pF        | 822  | •   |     |     | •   |
| 0.01 µF        | 103  | •   |     |     | •   |
| 0.012 µF       | 123  | •   |     |     | •   |
| 0.015 µF       | 153  | •   |     |     | •   |
| 0.018 µF       | 183  | •   |     |     | •   |
| 0.022 µF       | 223  | •   |     |     | •   |
| 0.027 µF       | 273  |     |     | •   | •   |
| 0.033 µF       | 333  |     |     | •   | •   |
| 0.039 µF       | 393  |     |     | •   | •   |
| 0.047 µF       | 473  |     |     | •   | •   |
| 0.056 µF       | 563  |     |     |     |     |
| 0.068 µF       | 683  |     |     |     |     |
| 0.082 µF       | 823  |     |     |     |     |
| 0.10 µF        | 104  |     |     |     |     |
| 0.15 µF        | 154  |     |     |     |     |
| 0.22 µF        | 224  |     |     |     |     |
| 0.33 µF        | 334  |     |     |     |     |
| 0.47 µF        | 474  |     |     |     |     |
| 0.68 µF        | 684  |     |     |     |     |
| 1.0 µF         | 105  |     |     |     |     |

**PART NUMBER LISTING** - if not in range chart, please contact [cmll@vishay.com](mailto:cmll@vishay.com)

| MONO-KAP X7R - 200 V <sub>DC</sub> CLEAR TEXT CODE |                                  |                                                                            |                                                                            |                           |
|----------------------------------------------------|----------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------|
| CAPACITANCE (pF)                                   | RATED VOLTAGE (V <sub>DC</sub> ) | 10 % TOLERANCE<br>13 <sup>th</sup> digit (T = Reel,<br>U = Ammo, 3 = Bulk) | 20 % TOLERANCE<br>13 <sup>th</sup> digit (T = Reel,<br>U = Ammo, 3 = Bulk) | LEAD SPACING<br>mm (inch) |
| 100                                                | 200                              | K101K15X7RK5.L2                                                            | K101M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 100                                                |                                  | K101K15X7RK5.H5                                                            | K101M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 120                                                |                                  | K121K15X7RK5.L2                                                            | K121M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 120                                                |                                  | K121K15X7RK5.H5                                                            | K121M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 150                                                |                                  | K151K15X7RK5.L2                                                            | K151M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 150                                                |                                  | K151K15X7RK5.H5                                                            | K151M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 180                                                |                                  | K181K15X7RK5.L2                                                            | K181M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 180                                                |                                  | K181K15X7RK5.H5                                                            | K181M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 220                                                |                                  | K221K15X7RK5.L2                                                            | K221M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 220                                                |                                  | K221K15X7RK5.H5                                                            | K221M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 270                                                |                                  | K271K15X7RK5.L2                                                            | K271M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 270                                                |                                  | K271K15X7RK5.H5                                                            | K271M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 330                                                |                                  | K331K15X7RK5.L2                                                            | K331M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 330                                                |                                  | K331K15X7RK5.H5                                                            | K331M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 390                                                |                                  | K391K15X7RK5.L2                                                            | K391M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 390                                                |                                  | K391K15X7RK5.H5                                                            | K391M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 470                                                |                                  | K471K15X7RK5.L2                                                            | K471M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 470                                                |                                  | K471K15X7RK5.H5                                                            | K471M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 560                                                |                                  | K561K15X7RK5.L2                                                            | K561M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 560                                                |                                  | K561K15X7RK5.H5                                                            | K561M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 680                                                |                                  | K681K15X7RK5.L2                                                            | K681M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 680                                                |                                  | K681K15X7RK5.H5                                                            | K681M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 820                                                |                                  | K821K15X7RK5.L2                                                            | K821M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 820                                                |                                  | K821K15X7RK5.H5                                                            | K821M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 1000                                               |                                  | K102K15X7RK5.L2                                                            | K102M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 1000                                               |                                  | K102K15X7RK5.H5                                                            | K102M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 1200                                               |                                  | K122K15X7RK5.L2                                                            | K122M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 1200                                               |                                  | K122K15X7RK5.H5                                                            | K122M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 1500                                               |                                  | K152K15X7RK5.L2                                                            | K152M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 1500                                               |                                  | K152K15X7RK5.H5                                                            | K152M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 1800                                               |                                  | K182K15X7RK5.L2                                                            | K182M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 1800                                               |                                  | K182K15X7RK5.H5                                                            | K182M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 2200                                               |                                  | K222K15X7RK5.L2                                                            | K222M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 2200                                               |                                  | K222K15X7RK5.H5                                                            | K222M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 2700                                               |                                  | K272K15X7RK5.L2                                                            | K272M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 2700                                               |                                  | K272K15X7RK5.H5                                                            | K272M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 3300                                               |                                  | K332K15X7RK5.L2                                                            | K332M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 3300                                               |                                  | K332K15X7RK5.H5                                                            | K332M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 3900                                               |                                  | K392K15X7RK5.L2                                                            | K392M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 3900                                               |                                  | K392K15X7RK5.H5                                                            | K392M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 4700                                               |                                  | K472K15X7RK5.L2                                                            | K472M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 4700                                               |                                  | K472K15X7RK5.H5                                                            | K472M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 5600                                               |                                  | K562K15X7RK5.L2                                                            | K562M15X7RK5.L2                                                            | 2.5 (0.10)                |

**MONO-KAP X7R - 200 V<sub>DC</sub> CLEAR TEXT CODE**

| CAPACITANCE (pF) | RATED VOLTAGE (V <sub>DC</sub> ) | 10 % TOLERANCE<br>13 <sup>th</sup> digit (T = Reel,<br>U = Ammo, 3 = Bulk) | 20 % TOLERANCE<br>13 <sup>th</sup> digit (T = Reel,<br>U = Ammo, 3 = Bulk) | LEAD SPACING<br>mm (inch) |
|------------------|----------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------|
| 5600             | 200                              | K562K15X7RK5.H5                                                            | K562M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 6800             |                                  | K682K15X7RK5.L2                                                            | K682M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 6800             |                                  | K682K15X7RK5.H5                                                            | K682M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 8200             |                                  | K822K15X7RK5.L2                                                            | K822M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 8200             |                                  | K822K15X7RK5.H5                                                            | K822M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 10 000           |                                  | K103K15X7RK5.L2                                                            | K103M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 10 000           |                                  | K103K15X7RK5.H5                                                            | K103M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 12 000           |                                  | K123K15X7RK5.L2                                                            | K123M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 12 000           |                                  | K123K15X7RK5.H5                                                            | K123M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 15 000           |                                  | K153K15X7RK5.L2                                                            | K153M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 15 000           |                                  | K153K15X7RK5.H5                                                            | K153M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 18 000           |                                  | K183K15X7RK5.L2                                                            | K183M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 18 000           |                                  | K183K15X7RK5.H5                                                            | K183M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 22 000           |                                  | K223K15X7RK5.L2                                                            | K223M15X7RK5.L2                                                            | 2.5 (0.10)                |
| 22 000           |                                  | K223K15X7RK5.H5                                                            | K223M15X7RK5.H5                                                            | 5.0 (0.20)                |
| 27 000           |                                  | K273K20X7RK5.L2                                                            | K273M20X7RK5.L2                                                            | 2.5 (0.10)                |
| 27 000           |                                  | K273K20X7RK5.H5                                                            | K273M20X7RK5.H5                                                            | 5.0 (0.20)                |
| 33 000           |                                  | K333K20X7RK5.L2                                                            | K333M20X7RK5.L2                                                            | 2.5 (0.10)                |
| 33 000           |                                  | K333K20X7RK5.H5                                                            | K333M20X7RK5.H5                                                            | 5.0 (0.20)                |
| 39 000           |                                  | K393K20X7RK5.L2                                                            | K393M20X7RK5.L2                                                            | 2.5 (0.10)                |
| 39 000           |                                  | K393K20X7RK5.H5                                                            | K393M20X7RK5.H5                                                            | 5.0 (0.20)                |
| 47 000           |                                  | K473K20X7RK5.L2                                                            | K473M20X7RK5.L2                                                            | 2.5 (0.10)                |
| 47 000           |                                  | K473K20X7RK5.H5                                                            | K473M20X7RK5.H5                                                            | 5.0 (0.20)                |

**MONO-KAP C0G - 200 V<sub>DC</sub> CLEAR TEXT CODE**

| CAPACITANCE (pF) | RATED VOLTAGE (V <sub>DC</sub> ) | 5 % TOLERANCE<br>13 <sup>th</sup> digit (T = Reel,<br>U = Ammo, 3 = Bulk) | 10 % TOLERANCE<br>13 <sup>th</sup> digit (T = Reel,<br>U = Ammo, 3 = Bulk) | LEAD SPACING<br>mm (inch) |
|------------------|----------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------|
| 33               | 200                              | K330J15C0GK5.L2                                                           | K330K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 33               |                                  | K330J15C0GK5.H5                                                           | K330K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 39               |                                  | K390J15C0GK5.L2                                                           | K390K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 39               |                                  | K390J15C0GK5.H5                                                           | K390K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 47               |                                  | K470J15C0GK5.L2                                                           | K470K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 47               |                                  | K470J15C0GK5.H5                                                           | K470K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 56               |                                  | K560J15C0GK5.L2                                                           | K560K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 56               |                                  | K560J15C0GK5.H5                                                           | K560K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 68               |                                  | K680J15C0GK5.L2                                                           | K680K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 68               |                                  | K680J15C0GK5.H5                                                           | K680K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 82               |                                  | K820J15C0GK5.L2                                                           | K820K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 82               |                                  | K820J15C0GK5.H5                                                           | K820K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 100              |                                  | K101J15C0GK5.L2                                                           | K101K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 100              |                                  | K101J15C0GK5.H5                                                           | K101K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 120              |                                  | K121J15C0GK5.L2                                                           | K121K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 120              |                                  | K121J15C0GK5.H5                                                           | K121K15C0GK5.H5                                                            | 5.0 (0.20)                |

## MONO-KAP C0G - 200 V<sub>DC</sub> CLEAR TEXT CODE

| CAPACITANCE (pF) | RATED VOLTAGE (V <sub>DC</sub> ) | 5 % TOLERANCE<br>13 <sup>th</sup> digit (T = Reel,<br>U = Ammo, 3 = Bulk) | 10 % TOLERANCE<br>13 <sup>th</sup> digit (T = Reel,<br>U = Ammo, 3 = Bulk) | LEAD SPACING<br>mm (inch) |
|------------------|----------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------|
| 150              | 200                              | K151J15C0GK5.L2                                                           | K151K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 150              |                                  | K151J15C0GK5.H5                                                           | K151K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 180              |                                  | K181J15C0GK5.L2                                                           | K181K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 180              |                                  | K181J15C0GK5.H5                                                           | K181K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 220              |                                  | K221J15C0GK5.L2                                                           | K221K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 220              |                                  | K221J15C0GK5.H5                                                           | K221K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 270              |                                  | K271J15C0GK5.L2                                                           | K271K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 270              |                                  | K271J15C0GK5.H5                                                           | K271K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 330              |                                  | K331J15C0GK5.L2                                                           | K331K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 330              |                                  | K331J15C0GK5.H5                                                           | K331K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 390              |                                  | K391J15C0GK5.L2                                                           | K391K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 390              |                                  | K391J15C0GK5.H5                                                           | K391K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 470              |                                  | K471J15C0GK5.L2                                                           | K471K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 470              |                                  | K471J15C0GK5.H5                                                           | K471K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 560              |                                  | K561J15C0GK5.L2                                                           | K561K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 560              |                                  | K561J15C0GK5.H5                                                           | K561K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 680              |                                  | K681J15C0GK5.L2                                                           | K681K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 680              |                                  | K681J15C0GK5.H5                                                           | K681K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 820              |                                  | K821J15C0GK5.L2                                                           | K821K15C0GK5.L2                                                            | 2.5 (0.10)                |
| 820              |                                  | K821J15C0GK5.H5                                                           | K821K15C0GK5.H5                                                            | 5.0 (0.20)                |
| 1000             |                                  | K102J20C0GK5.L2                                                           | K102K20C0GK5.L2                                                            | 2.5 (0.10)                |
| 1000             |                                  | K102J20C0GK5.H5                                                           | K102K20C0GK5.H5                                                            | 5.0 (0.20)                |
| 1200             |                                  | K122J20C0GK5.L2                                                           | K122K20C0GK5.L2                                                            | 2.5 (0.10)                |
| 1200             |                                  | K122J20C0GK5.H5                                                           | K122K20C0GK5.H5                                                            | 5.0 (0.20)                |
| 1500             |                                  | K152J20C0GK5.L2                                                           | K152K20C0GK5.L2                                                            | 2.5 (0.10)                |
| 1500             |                                  | K152J20C0GK5.H5                                                           | K152K20C0GK5.H5                                                            | 5.0 (0.20)                |
| 1800             |                                  | K182J20C0GK5.L2                                                           | K182K20C0GK5.L2                                                            | 2.5 (0.10)                |
| 1800             |                                  | K182J20C0GK5.H5                                                           | K182K20C0GK5.H5                                                            | 5.0 (0.20)                |
| 2200             |                                  | K222J20C0GK5.L2                                                           | K222K20C0GK5.L2                                                            | 2.5 (0.10)                |
| 2200             |                                  | K222J20C0GK5.H5                                                           | K222K20C0GK5.H5                                                            | 5.0 (0.20)                |
| 2700             |                                  | K272J20C0GK5.L2                                                           | K272K20C0GK5.L2                                                            | 2.5 (0.10)                |
| 2700             |                                  | K272J20C0GK5.H5                                                           | K272K20C0GK5.H5                                                            | 5.0 (0.20)                |
| 3300             |                                  | K332J20C0GK5.L2                                                           | K332K20C0GK5.L2                                                            | 2.5 (0.10)                |
| 3300             |                                  | K332J20C0GK5.H5                                                           | K332K20C0GK5.H5                                                            | 5.0 (0.20)                |
| 3900             |                                  | K392J20C0GK5.L2                                                           | K392K20C0GK5.L2                                                            | 2.5 (0.10)                |
| 3900             |                                  | K392J20C0GK5.H5                                                           | K392K20C0GK5.H5                                                            | 5.0 (0.20)                |

**MONO-KAP X7R - 500 V<sub>DC</sub> CLEAR TEXT CODE**

| CAPACITANCE (pF) | RATED VOLTAGE (V <sub>DC</sub> ) | 10 % TOLERANCE<br>13 <sup>th</sup> digit (T = Reel,<br>U = Ammo, 3 = Bulk) | 20 % TOLERANCE<br>13 <sup>th</sup> digit (T = Reel,<br>U = Ammo, 3 = Bulk) | LEAD SPACING<br>mm (inch) |
|------------------|----------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------|
| 100              | 500                              | K101K15X7RL5.H5                                                            | K101M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 120              |                                  | K121K15X7RL5.H5                                                            | K121M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 150              |                                  | K151K15X7RL5.H5                                                            | K151M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 180              |                                  | K181K15X7RL5.H5                                                            | K181M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 220              |                                  | K221K15X7RL5.H5                                                            | K221M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 270              |                                  | K271K15X7RL5.H5                                                            | K271M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 330              |                                  | K331K15X7RL5.H5                                                            | K331M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 390              |                                  | K391K15X7RL5.H5                                                            | K391M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 470              |                                  | K471K15X7RL5.H5                                                            | K471M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 560              |                                  | K561K15X7RL5.H5                                                            | K561M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 680              |                                  | K681K15X7RL5.H5                                                            | K681M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 820              |                                  | K821K15X7RL5.H5                                                            | K821M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 1000             |                                  | K102K15X7RL5.H5                                                            | K102M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 1200             |                                  | K122K15X7RL5.H5                                                            | K122M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 1500             |                                  | K152K15X7RL5.H5                                                            | K152M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 1800             |                                  | K182K15X7RL5.H5                                                            | K182M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 2200             |                                  | K222K15X7RL5.H5                                                            | K222M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 2700             |                                  | K272K15X7RL5.H5                                                            | K272M15X7RL5.H5                                                            | 5.0 (0.20)                |
| 3300             |                                  | K332K20X7RL5.H5                                                            | K332M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 3900             |                                  | K392K20X7RL5.H5                                                            | K392M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 4700             |                                  | K472K20X7RL5.H5                                                            | K472M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 5600             |                                  | K562K20X7RL5.H5                                                            | K562M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 6800             |                                  | K682K20X7RL5.H5                                                            | K682M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 8200             |                                  | K822K20X7RL5.H5                                                            | K822M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 10 000           |                                  | K103K20X7RL5.H5                                                            | K103M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 12 000           |                                  | K123K20X7RL5.H5                                                            | K123M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 15 000           |                                  | K153K20X7RL5.H5                                                            | K153M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 18 000           |                                  | K183K20X7RL5.H5                                                            | K183M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 22 000           |                                  | K223K20X7RL5.H5                                                            | K223M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 27 000           |                                  | K273K20X7RL5.H5                                                            | K273M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 33 000           |                                  | K333K20X7RL5.H5                                                            | K333M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 39 000           |                                  | K393K20X7RL5.H5                                                            | K393M20X7RL5.H5                                                            | 5.0 (0.20)                |
| 47 000           |                                  | K473K20X7RL5.H5                                                            | K473M20X7RL5.H5                                                            | 5.0 (0.20)                |

## MONO-KAP C0G - 500 V<sub>DC</sub> CLEAR TEXT CODE

| CAPACITANCE (pF) | RATED VOLTAGE (V <sub>DC</sub> ) | 5 % TOLERANCE<br>13 <sup>th</sup> digit (T = Reel,<br>U = Ammo, 3 = Bulk) | 10 % TOLERANCE<br>13 <sup>th</sup> digit (T = Reel,<br>U = Ammo, 3 = Bulk) | LEAD SPACING<br>mm (inch) |
|------------------|----------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------|
| 33               | 500                              | K330J15C0GL5.H5                                                           | K330K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 39               |                                  | K390J15C0GL5.H5                                                           | K390K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 47               |                                  | K470J15C0GL5.H5                                                           | K470K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 56               |                                  | K560J15C0GL5.H5                                                           | K560K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 68               |                                  | K680J15C0GL5.H5                                                           | K680K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 82               |                                  | K820J15C0GL5.H5                                                           | K820K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 100              |                                  | K101J15C0GL5.H5                                                           | K101K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 120              |                                  | K121J15C0GL5.H5                                                           | K121K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 150              |                                  | K151J15C0GL5.H5                                                           | K151K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 180              |                                  | K181J15C0GL5.H5                                                           | K181K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 220              |                                  | K221J15C0GL5.H5                                                           | K221K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 270              |                                  | K271J15C0GL5.H5                                                           | K271K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 330              |                                  | K331J15C0GL5.H5                                                           | K331K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 390              |                                  | K391J15C0GL5.H5                                                           | K391K15C0GL5.H5                                                            | 5.0 (0.20)                |
| 470              |                                  | K471J20C0GL5.H5                                                           | K471K20C0GL5.H5                                                            | 5.0 (0.20)                |
| 560              |                                  | K561J20C0GL5.H5                                                           | K561K20C0GL5.H5                                                            | 5.0 (0.20)                |
| 680              |                                  | K681J20C0GL5.H5                                                           | K681K20C0GL5.H5                                                            | 5.0 (0.20)                |
| 820              |                                  | K821J20C0GL5.H5                                                           | K821K20C0GL5.H5                                                            | 5.0 (0.20)                |
| 1000             |                                  | K102J20C0GL5.H5                                                           | K102K20C0GL5.H5                                                            | 5.0 (0.20)                |
| 1200             |                                  | K122J20C0GL5.H5                                                           | K122K20C0GL5.H5                                                            | 5.0 (0.20)                |
| 1500             |                                  | K152J20C0GL5.H5                                                           | K152K20C0GL5.H5                                                            | 5.0 (0.20)                |
| 1800             |                                  | K182J20C0GL5.H5                                                           | K182K20C0GL5.H5                                                            | 5.0 (0.20)                |





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