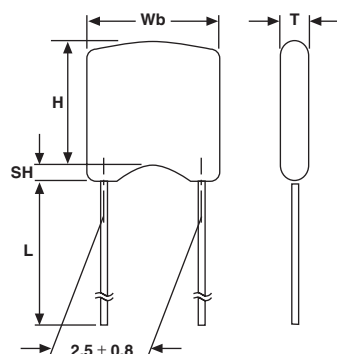


## Dipped Radial Multilayer Ceramic Capacitors for 200 - 500 Vdc

### DIMENSIONS

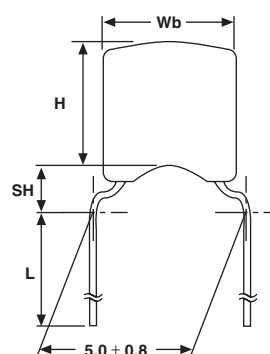


RoHS  
COMPLIANT



**L2**

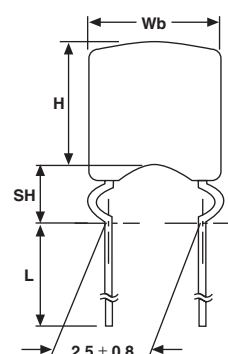
Component outline for  
Lead spacing  $2.5 \pm 0.8$  mm  
(straight leads)



**H5**

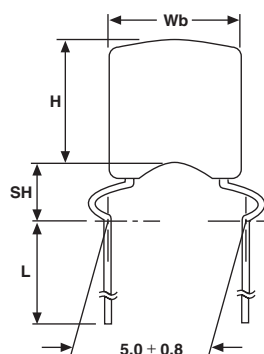
Component outline for  
Lead spacing  $5.0 \pm 0.8$  mm  
(flat bent leads)

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)

### CAPACITOR DIMENSIONS AND WEIGHT

| SIZE | Wb <sub>MAX</sub> | H <sub>MAX</sub> | T <sub>MAX</sub> | MAX. SEATING HEIGHT (SH) |                 |                 |                 | WEIGHT<br>(g) |
|------|-------------------|------------------|------------------|--------------------------|-----------------|-----------------|-----------------|---------------|
|      |                   |                  |                  | L2                       | H5              | K2              | K5              |               |
| 15   | 4.0<br>(0.15)     | 4.0<br>(0.15)    | 2.5<br>(0.100)   | 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>(0.20)     | 5.0<br>(0.20)    | 3.2<br>(0.13)    | 1.58<br>(0.062)          | 2.54<br>(0.100) | 3.50<br>(0.140) | 3.50<br>(0.140) | ≈ 0.16        |

#### Note

1. Bulk packed types have a standard lead length  $L = 25.4$  mm (1.0 inch) minimum
2. Dimensions between parentheses are in inches
3. Thickness is defined as T

**QUICK REFERENCE DATA**

| DESCRIPTION              | VALUE                  |       |                         |       |
|--------------------------|------------------------|-------|-------------------------|-------|
| Capacitance range        | 10 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 DIAMETER       | LEAD LENGTH/ PACKAGING                                                                   | LEAD STYLE                                | LEAD SPACING                         |
| K = Mono-Kap | Two significant digits followed by the number of zeros. example: 103 = 10 000 pF | J = $\pm 5\%$<br>K = $\pm 10\%$<br>M = $\pm 20\%$ | Ref. mechanical spec. | C0G<br>X7R  | K = 200 V <sub>DC</sub><br>L = 500 V <sub>DC</sub> | 5 = 0.5 mm (0.020") | 3 = bulk, with lead length of 30 $\pm$ 5.0 (1.25")<br>T = Tape and Reel<br>U = Ammo pack | L = Straight Lead<br>H = High Seated assy | 2 = 2.5 (0.100")<br>5 = 5.0 (0.200") |

## CAPACITANCE RANGE CHART COG (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 $\mu$ F  | 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 $\mu$ F  | 103  | •   |     |     | •   |
| 0.012 $\mu$ F | 123  | •   |     |     | •   |
| 0.015 $\mu$ F | 153  | •   |     |     | •   |
| 0.018 $\mu$ F | 183  | •   |     |     | •   |
| 0.022 $\mu$ F | 223  | •   |     |     | •   |
| 0.027 $\mu$ F | 273  |     |     | •   | •   |
| 0.033 $\mu$ F | 333  |     |     | •   | •   |
| 0.039 $\mu$ F | 393  |     |     | •   | •   |
| 0.047 $\mu$ F | 473  |     |     | •   | •   |
| 0.056 $\mu$ F | 563  |     |     |     |     |
| 0.068 $\mu$ F | 683  |     |     |     |     |
| 0.082 $\mu$ F | 823  |     |     |     |     |
| 0.10 $\mu$ F  | 104  |     |     |     |     |
| 0.15 $\mu$ F  | 154  |     |     |     |     |
| 0.22 $\mu$ F  | 224  |     |     |     |     |
| 0.33 $\mu$ F  | 334  |     |     |     |     |
| 0.47 $\mu$ F  | 474  |     |     |     |     |
| 0.68 $\mu$ F  | 684  |     |     |     |     |
| 1.0 $\mu$ F   | 105  |     |     |     |     |

**MONO-KAP X7R - 200 VDC CLEAR TEXT CODE**

| CAP (pF) | RATED VOLTAGE (Vdc) | LEAD SPACING   | 10 % TOLERANCE                           | 20 % TOLERANCE                             |
|----------|---------------------|----------------|------------------------------------------|--------------------------------------------|
|          |                     | MM (INCH-REF)  | 13TH DIGIT<br>T = REEL; = AMMO; 3 = BULK | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK |
| 100      | 200 Vdc             | 2.5 mm (0.10") | K101K15X7RK5.L2                          | K101M15X7RK5.L2                            |
| 100      |                     | 5.0 mm (0.20") | K101K15X7RK5.H5                          | K101M15X7RK5.H5                            |
| 120      |                     | 2.5 mm (0.10") | K121K15X7RK5.L2                          | K121M15X7RK5.L2                            |
| 120      |                     | 5.0 mm (0.20") | K121K15X7RK5.H5                          | K121M15X7RK5.H5                            |
| 150      |                     | 2.5 mm (0.10") | K151K15X7RK5.L2                          | K151M15X7RK5.L2                            |
| 150      |                     | 5.0 mm (0.20") | K151K15X7RK5.H5                          | K151M15X7RK5.H5                            |
| 180      |                     | 2.5 mm (0.10") | K181K15X7RK5.L2                          | K181M15X7RK5.L2                            |
| 180      |                     | 5.0 mm (0.20") | K181K15X7RK5.H5                          | K181M15X7RK5.H5                            |
| 220      |                     | 2.5 mm (0.10") | K221K15X7RK5.L2                          | K221M15X7RK5.L2                            |
| 220      |                     | 5.0 mm (0.20") | K221K15X7RK5.H5                          | K221M15X7RK5.H5                            |
| 270      |                     | 2.5 mm (0.10") | K271K15X7RK5.L2                          | K271M15X7RK5.L2                            |
| 270      |                     | 5.0 mm (0.20") | K271K15X7RK5.H5                          | K271M15X7RK5.H5                            |
| 330      |                     | 2.5 mm (0.10") | K331K15X7RK5.L2                          | K331M15X7RK5.L2                            |
| 330      |                     | 5.0 mm (0.20") | K331K15X7RK5.H5                          | K331M15X7RK5.H5                            |
| 390      |                     | 2.5 mm (0.10") | K391K15X7RK5.L2                          | K391M15X7RK5.L2                            |
| 390      |                     | 5.0 mm (0.20") | K391K15X7RK5.H5                          | K391M15X7RK5.H5                            |
| 470      |                     | 2.5 mm (0.10") | K471K15X7RK5.L2                          | K471M15X7RK5.L2                            |
| 470      |                     | 5.0 mm (0.20") | K471K15X7RK5.H5                          | K471M15X7RK5.H5                            |
| 560      |                     | 2.5 mm (0.10") | K561K15X7RK5.L2                          | K561M15X7RK5.L2                            |
| 560      |                     | 5.0 mm (0.20") | K561K15X7RK5.H5                          | K561M15X7RK5.H5                            |
| 680      |                     | 2.5 mm (0.10") | K681K15X7RK5.L2                          | K681M15X7RK5.L2                            |
| 680      |                     | 5.0 mm (0.20") | K681K15X7RK5.H5                          | K681M15X7RK5.H5                            |
| 820      |                     | 2.5 mm (0.10") | K821K15X7RK5.L2                          | K821M15X7RK5.L2                            |
| 820      |                     | 5.0 mm (0.20") | K821K15X7RK5.H5                          | K821M15X7RK5.H5                            |
| 1000     |                     | 2.5 mm (0.10") | K102K15X7RK5.L2                          | K102M15X7RK5.L2                            |
| 1000     |                     | 5.0 mm (0.20") | K102K15X7RK5.H5                          | K102M15X7RK5.H5                            |
| 1200     |                     | 2.5 mm (0.10") | K122K15X7RK5.L2                          | K122M15X7RK5.L2                            |
| 1200     |                     | 5.0 mm (0.20") | K122K15X7RK5.H5                          | K122M15X7RK5.H5                            |
| 1500     |                     | 2.5 mm (0.10") | K152K15X7RK5.L2                          | K152M15X7RK5.L2                            |
| 1500     |                     | 5.0 mm (0.20") | K152K15X7RK5.H5                          | K152M15X7RK5.H5                            |
| 1800     |                     | 2.5 mm (0.10") | K182K15X7RK5.L2                          | K182M15X7RK5.L2                            |
| 1800     |                     | 5.0 mm (0.20") | K182K15X7RK5.H5                          | K182M15X7RK5.H5                            |
| 2200     |                     | 2.5 mm (0.10") | K222K15X7RK5.L2                          | K222M15X7RK5.L2                            |
| 2200     |                     | 5.0 mm (0.20") | K222K15X7RK5.H5                          | K222M15X7RK5.H5                            |
| 2700     |                     | 2.5 mm (0.10") | K272K15X7RK5.L2                          | K272M15X7RK5.L2                            |
| 2700     |                     | 5.0 mm (0.20") | K272K15X7RK5.H5                          | K272M15X7RK5.H5                            |
| 3300     |                     | 2.5 mm (0.10") | K332K15X7RK5.L2                          | K332M15X7RK5.L2                            |
| 3300     |                     | 5.0 mm (0.20") | K332K15X7RK5.H5                          | K332M15X7RK5.H5                            |
| 3900     |                     | 2.5 mm (0.10") | K392K15X7RK5.L2                          | K392M15X7RK5.L2                            |
| 3900     |                     | 5.0 mm (0.20") | K392K15X7RK5.H5                          | K392M15X7RK5.H5                            |
| 4700     |                     | 2.5 mm (0.10") | K472K15X7RK5.L2                          | K472M15X7RK5.L2                            |
| 4700     |                     | 5.0 mm (0.20") | K472K15X7RK5.H5                          | K472M15X7RK5.H5                            |
| 5600     |                     | 2.5 mm (0.10") | K562K15X7RK5.L2                          | K562M15X7RK5.L2                            |

## MONO-KAP X7R - 200 VDC CLEAR TEXT CODE

| CAP (pF) | RATED VOLTAGE (Vdc) | LEAD SPACING   | 10 % TOLERANCE                             | 20 % TOLERANCE                             |
|----------|---------------------|----------------|--------------------------------------------|--------------------------------------------|
|          |                     | MM (INCH-REF)  | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK |
| 5600     | 200 Vdc             | 5.0 mm (0.20") | K562K15X7RK5.H5                            | K562M15X7RK5.H5                            |
| 6800     |                     | 2.5 mm (0.10") | K682K15X7RK5.L2                            | K682M15X7RK5.L2                            |
| 6800     |                     | 5.0 mm (0.20") | K682K15X7RK5.H5                            | K682M15X7RK5.H5                            |
| 8200     |                     | 2.5 mm (0.10") | K822K15X7RK5.L2                            | K822M15X7RK5.L2                            |
| 8200     |                     | 5.0 mm (0.20") | K822K15X7RK5.H5                            | K822M15X7RK5.H5                            |
| 10 000   |                     | 2.5 mm (0.10") | K103K15X7RK5.L2                            | K103M15X7RK5.L2                            |
| 10 000   |                     | 5.0 mm (0.20") | K103K15X7RK5.H5                            | K103M15X7RK5.H5                            |
| 12 000   |                     | 2.5 mm (0.10") | K123K15X7RK5.L2                            | K123M15X7RK5.L2                            |
| 12 000   |                     | 5.0 mm (0.20") | K123K15X7RK5.H5                            | K123M15X7RK5.H5                            |
| 15 000   |                     | 2.5 mm (0.10") | K153K15X7RK5.L2                            | K153M15X7RK5.L2                            |
| 15 000   |                     | 5.0 mm (0.20") | K153K15X7RK5.H5                            | K153M15X7RK5.H5                            |
| 18 000   |                     | 2.5 mm (0.10") | K183K15X7RK5.L2                            | K183M15X7RK5.L2                            |
| 18 000   |                     | 5.0 mm (0.20") | K183K15X7RK5.H5                            | K183M15X7RK5.H5                            |
| 22 000   |                     | 2.5 mm (0.10") | K223K15X7RK5.L2                            | K223M15X7RK5.L2                            |
| 22 000   |                     | 5.0 mm (0.20") | K223K15X7RK5.H5                            | K223M15X7RK5.H5                            |
| 27 000   |                     | 2.5 mm (0.10") | K273K20X7RK5.L2                            | K273M20X7RK5.L2                            |
| 27 000   |                     | 5.0 mm (0.20") | K273K20X7RK5.H5                            | K273M20X7RK5.H5                            |
| 33 000   |                     | 2.5 mm (0.10") | K333K20X7RK5.L2                            | K333M20X7RK5.L2                            |
| 33 000   |                     | 5.0 mm (0.20") | K333K20X7RK5.H5                            | K333M20X7RK5.H5                            |
| 39 000   |                     | 2.5 mm (0.10") | K393K20X7RK5.L2                            | K393M20X7RK5.L2                            |
| 39 000   |                     | 5.0 mm (0.20") | K393K20X7RK5.H5                            | K393M20X7RK5.H5                            |
| 47 000   |                     | 2.5 mm (0.10") | K473K20X7RK5.L2                            | K473M20X7RK5.L2                            |
| 47 000   |                     | 5.0 mm (0.20") | K473K20X7RK5.H5                            | K473M20X7RK5.H5                            |



| MONO-KAP C0G - 200 VDC CLEAR TEXT CODE |                     |                |                                            |                                            |
|----------------------------------------|---------------------|----------------|--------------------------------------------|--------------------------------------------|
| CAP (pF)                               | RATED VOLTAGE (Vdc) | LEAD SPACING   | 5 % TOLERANCE                              | 10 % TOLERANCE                             |
|                                        |                     | MM (INCH-REF)  | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK |
| 33                                     | 200 Vdc             | 2.5 mm (0.10") | K330J15C0GK5.L2                            | K330K15C0GK5.L2                            |
| 33                                     |                     | 5.0 mm (0.20") | K330J15C0GK5.H5                            | K330K15C0GK5.H5                            |
| 39                                     |                     | 2.5 mm (0.10") | K390J15C0GK5.L2                            | K390K15C0GK5.L2                            |
| 39                                     |                     | 5.0 mm (0.20") | K390J15C0GK5.H5                            | K390K15C0GK5.H5                            |
| 47                                     |                     | 2.5 mm (0.10") | K470J15C0GK5.L2                            | K470K15C0GK5.L2                            |
| 47                                     |                     | 5.0 mm (0.20") | K470J15C0GK5.H5                            | K470K15C0GK5.H5                            |
| 56                                     |                     | 2.5 mm (0.10") | K560J15C0GK5.L2                            | K560K15C0GK5.L2                            |
| 56                                     |                     | 5.0 mm (0.20") | K560J15C0GK5.H5                            | K560K15C0GK5.H5                            |
| 68                                     |                     | 2.5 mm (0.10") | K680J15C0GK5.L2                            | K680K15C0GK5.L2                            |
| 68                                     |                     | 5.0 mm (0.20") | K680J15C0GK5.H5                            | K680K15C0GK5.H5                            |
| 82                                     |                     | 2.5 mm (0.10") | K820J15C0GK5.L2                            | K820K15C0GK5.L2                            |
| 82                                     |                     | 5.0 mm (0.20") | K820J15C0GK5.H5                            | K820K15C0GK5.H5                            |
| 100                                    |                     | 2.5 mm (0.10") | K101J15C0GK5.L2                            | K101K15C0GK5.L2                            |
| 100                                    |                     | 5.0 mm (0.20") | K101J15C0GK5.H5                            | K101K15C0GK5.H5                            |
| 120                                    |                     | 2.5 mm (0.10") | K121J15C0GK5.L2                            | K121K15C0GK5.L2                            |
| 120                                    |                     | 5.0 mm (0.20") | K121J15C0GK5.H5                            | K121K15C0GK5.H5                            |
| 150                                    |                     | 2.5 mm (0.10") | K151J15C0GK5.L2                            | K151K15C0GK5.L2                            |
| 150                                    |                     | 5.0 mm (0.20") | K151J15C0GK5.H5                            | K151K15C0GK5.H5                            |
| 180                                    |                     | 2.5 mm (0.10") | K181J15C0GK5.L2                            | K181K15C0GK5.L2                            |
| 180                                    |                     | 5.0 mm (0.20") | K181J15C0GK5.H5                            | K181K15C0GK5.H5                            |
| 220                                    |                     | 2.5 mm (0.10") | K221J15C0GK5.L2                            | K221K15C0GK5.L2                            |
| 220                                    |                     | 5.0 mm (0.20") | K221J15C0GK5.H5                            | K221K15C0GK5.H5                            |
| 270                                    |                     | 2.5 mm (0.10") | K271J15C0GK5.L2                            | K271K15C0GK5.L2                            |
| 270                                    |                     | 5.0 mm (0.20") | K271J15C0GK5.H5                            | K271K15C0GK5.H5                            |
| 330                                    |                     | 2.5 mm (0.10") | K331J15C0GK5.L2                            | K331K15C0GK5.L2                            |
| 330                                    |                     | 5.0 mm (0.20") | K331J15C0GK5.H5                            | K331K15C0GK5.H5                            |
| 390                                    |                     | 2.5 mm (0.10") | K391J15C0GK5.L2                            | K391K15C0GK5.L2                            |
| 390                                    |                     | 5.0 mm (0.20") | K391J15C0GK5.H5                            | K391K15C0GK5.H5                            |
| 470                                    |                     | 2.5 mm (0.10") | K471J15C0GK5.L2                            | K471K15C0GK5.L2                            |
| 470                                    |                     | 5.0 mm (0.20") | K471J15C0GK5.H5                            | K471K15C0GK5.H5                            |
| 560                                    |                     | 2.5 mm (0.10") | K561J15C0GK5.L2                            | K561K15C0GK5.L2                            |
| 560                                    |                     | 5.0 mm (0.20") | K561J15C0GK5.H5                            | K561K15C0GK5.H5                            |
| 680                                    |                     | 2.5 mm (0.10") | K681J15C0GK5.L2                            | K681K15C0GK5.L2                            |
| 680                                    |                     | 5.0 mm (0.20") | K681J15C0GK5.H5                            | K681K15C0GK5.H5                            |
| 820                                    |                     | 2.5 mm (0.10") | K821J15C0GK5.L2                            | K821K15C0GK5.L2                            |
| 820                                    |                     | 5.0 mm (0.20") | K821J15C0GK5.H5                            | K821K15C0GK5.H5                            |
| 1000                                   |                     | 2.5 mm (0.10") | K102J20C0GK5.L2                            | K102K20C0GK5.L2                            |
| 1000                                   |                     | 5.0 mm (0.20") | K102J20C0GK5.H5                            | K102K20C0GK5.H5                            |
| 1200                                   |                     | 2.5 mm (0.10") | K122J20C0GK5.L2                            | K122K20C0GK5.L2                            |
| 1200                                   |                     | 5.0 mm (0.20") | K122J20C0GK5.H5                            | K122K20C0GK5.H5                            |
| 1500                                   |                     | 2.5 mm (0.10") | K152J20C0GK5.L2                            | K152K20C0GK5.L2                            |
| 1500                                   |                     | 5.0 mm (0.20") | K152J20C0GK5.H5                            | K152K20C0GK5.H5                            |
| 1800                                   |                     | 2.5 mm (0.10") | K182J20C0GK5.L2                            | K182K20C0GK5.L2                            |

## MONO-KAP C0G - 200 VDC CLEAR TEXT CODE

| CAP (pF) | RATED VOLTAGE (Vdc) | LEAD SPACING   | 5 % TOLERANCE                              | 10 % TOLERANCE                             |
|----------|---------------------|----------------|--------------------------------------------|--------------------------------------------|
|          |                     | MM (INCH-REF)  | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK |
| 1800     | 200 Vdc             | 5.0 mm (0.20") | K182J20C0GK5.H5                            | K182K20C0GK5.H5                            |
| 2200     |                     | 2.5 mm (0.10") | K222J20C0GK5.L2                            | K222K20C0GK5.L2                            |
| 2200     |                     | 5.0 mm (0.20") | K222J20C0GK5.H5                            | K222K20C0GK5.H5                            |
| 2700     |                     | 2.5 mm (0.10") | K272J20C0GK5.L2                            | K272K20C0GK5.L2                            |
| 2700     |                     | 5.0 mm (0.20") | K272J20C0GK5.H5                            | K272K20C0GK5.H5                            |
| 3300     |                     | 2.5 mm (0.10") | K332J20C0GK5.L2                            | K332K20C0GK5.L2                            |
| 3300     |                     | 5.0 mm (0.20") | K332J20C0GK5.H5                            | K332K20C0GK5.H5                            |
| 3900     |                     | 2.5 mm (0.10") | K392J20C0GK5.L2                            | K392K20C0GK5.L2                            |
| 3900     |                     | 5.0 mm (0.20") | K392J20C0GK5.H5                            | K392K20C0GK5.H5                            |

## MONO-KAP X7R - 500 VDC CLEAR TEXT CODE

| CAP (pF) | RATED VOLTAGE (Vdc) | LEAD SPACING  | 10 % TOLERANCE                             | 20 % TOLERANCE                             |
|----------|---------------------|---------------|--------------------------------------------|--------------------------------------------|
|          |                     | MM (INCH-REF) | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK |
| 100      | 500 Vdc             | 5.0 mm (0.20) | K101K15X7RL5.H5                            | K101M15X7RL5.H5                            |
| 120      |                     | 5.0 mm (0.20) | K121K15X7RL5.H5                            | K121M15X7RL5.H5                            |
| 150      |                     | 5.0 mm (0.20) | K151K15X7RL5.H5                            | K151M15X7RL5.H5                            |
| 180      |                     | 5.0 mm (0.20) | K181K15X7RL5.H5                            | K181M15X7RL5.H5                            |
| 220      |                     | 5.0 mm (0.20) | K221K15X7RL5.H5                            | K221M15X7RL5.H5                            |
| 270      |                     | 5.0 mm (0.20) | K271K15X7RL5.H5                            | K271M15X7RL5.H5                            |
| 330      |                     | 5.0 mm (0.20) | K331K15X7RL5.H5                            | K331M15X7RL5.H5                            |
| 390      |                     | 5.0 mm (0.20) | K391K15X7RL5.H5                            | K391M15X7RL5.H5                            |
| 470      |                     | 5.0 mm (0.20) | K471K15X7RL5.H5                            | K471M15X7RL5.H5                            |
| 560      |                     | 5.0 mm (0.20) | K561K15X7RL5.H5                            | K561M15X7RL5.H5                            |
| 680      |                     | 5.0 mm (0.20) | K681K15X7RL5.H5                            | K681M15X7RL5.H5                            |
| 820      |                     | 5.0 mm (0.20) | K821K15X7RL5.H5                            | K821M15X7RL5.H5                            |
| 1000     |                     | 5.0 mm (0.20) | K102K15X7RL5.H5                            | K102M15X7RL5.H5                            |
| 1200     |                     | 5.0 mm (0.20) | K122K15X7RL5.H5                            | K122M15X7RL5.H5                            |
| 1500     |                     | 5.0 mm (0.20) | K152K15X7RL5.H5                            | K152M15X7RL5.H5                            |
| 1800     |                     | 5.0 mm (0.20) | K182K15X7RL5.H5                            | K182M15X7RL5.H5                            |
| 2200     |                     | 5.0 mm (0.20) | K222K15X7RL5.H5                            | K222M15X7RL5.H5                            |
| 2700     |                     | 5.0 mm (0.20) | K272K15X7RL5.H5                            | K272M15X7RL5.H5                            |
| 3300     |                     | 5.0 mm (0.20) | K332K20X7RL5.H5                            | K332M20X7RL5.H5                            |
| 3900     |                     | 5.0 mm (0.20) | K392K20X7RL5.H5                            | K392M20X7RL5.H5                            |
| 4700     |                     | 5.0 mm (0.20) | K472K20X7RL5.H5                            | K472M20X7RL5.H5                            |
| 5600     |                     | 5.0 mm (0.20) | K562K20X7RL5.H5                            | K562M20X7RL5.H5                            |
| 6800     |                     | 5.0 mm (0.20) | K682K20X7RL5.H5                            | K682M20X7RL5.H5                            |
| 8200     |                     | 5.0 mm (0.20) | K822K20X7RL5.H5                            | K822M20X7RL5.H5                            |
| 10 000   |                     | 5.0 mm (0.20) | K103K20X7RL5.H5                            | K103M20X7RL5.H5                            |
| 12 000   |                     | 5.0 mm (0.20) | K123K20X7RL5.H5                            | K123M20X7RL5.H5                            |
| 15 000   |                     | 5.0 mm (0.20) | K153K20X7RL5.H5                            | K153M20X7RL5.H5                            |
| 18 000   |                     | 5.0 mm (0.20) | K183K20X7RL5.H5                            | K183M20X7RL5.H5                            |



| <b>MONO-KAP X7R - 500 VDC CLEAR TEXT CODE</b> |                     |               |                                            |                                            |
|-----------------------------------------------|---------------------|---------------|--------------------------------------------|--------------------------------------------|
| CAP (pF)                                      | RATED VOLTAGE (Vdc) | LEAD SPACING  | 10 % TOLERANCE                             | 20 % TOLERANCE                             |
|                                               |                     | MM (INCH-REF) | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK |
| 22 000                                        | 500 Vdc             | 5.0 mm (0.20) | K223K20X7RL5.H5                            | K223M20X7RL5.H5                            |
| 27 000                                        |                     | 5.0 mm (0.20) | K273K20X7RL5.H5                            | K273M20X7RL5.H5                            |
| 33 000                                        |                     | 5.0 mm (0.20) | K333K20X7RL5.H5                            | K333M20X7RL5.H5                            |
| 39 000                                        |                     | 5.0 mm (0.20) | K393K20X7RL5.H5                            | K393M20X7RL5.H5                            |
| 47 000                                        |                     | 5.0 mm (0.20) | K473K20X7RL5.H5                            | K473M20X7RL5.H5                            |

| <b>MONO-KAP C0G - 500 VDC CLEAR TEXT CODE</b> |                     |               |                                            |                                            |
|-----------------------------------------------|---------------------|---------------|--------------------------------------------|--------------------------------------------|
| CAP (pF)                                      | RATED VOLTAGE (Vdc) | LEAD SPACING  | 5 % TOLERANCE                              | 10 % TOLERANCE                             |
|                                               |                     | MM (INCH-REF) | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK | 13TH DIGIT<br>T = REEL; U = AMMO; 3 = BULK |
| 33                                            | 500 Vdc             | 5.0 mm (0.20) | K330J15C0GL5.H5                            | K330K15C0GL5.H5                            |
| 39                                            |                     | 5.0 mm (0.20) | K390J15C0GL5.H5                            | K390K15C0GL5.H5                            |
| 47                                            |                     | 5.0 mm (0.20) | K470J15C0GL5.H5                            | K470K15C0GL5.H5                            |
| 56                                            |                     | 5.0 mm (0.20) | K560J15C0GL5.H5                            | K560K15C0GL5.H5                            |
| 68                                            |                     | 5.0 mm (0.20) | K680J15C0GL5.H5                            | K680K15C0GL5.H5                            |
| 82                                            |                     | 5.0 mm (0.20) | K820J15C0GL5.H5                            | K820K15C0GL5.H5                            |
| 100                                           |                     | 5.0 mm (0.20) | K101J15C0GL5.H5                            | K101K15C0GL5.H5                            |
| 120                                           |                     | 5.0 mm (0.20) | K121J15C0GL5.H5                            | K121K15C0GL5.H5                            |
| 150                                           |                     | 5.0 mm (0.20) | K151J15C0GL5.H5                            | K151K15C0GL5.H5                            |
| 180                                           |                     | 5.0 mm (0.20) | K181J15C0GL5.H5                            | K181K15C0GL5.H5                            |
| 220                                           |                     | 5.0 mm (0.20) | K221J15C0GL5.H5                            | K221K15C0GL5.H5                            |
| 270                                           |                     | 5.0 mm (0.20) | K271J15C0GL5.H5                            | K271K15C0GL5.H5                            |
| 330                                           |                     | 5.0 mm (0.20) | K331J15C0GL5.H5                            | K331K15C0GL5.H5                            |
| 390                                           |                     | 5.0 mm (0.20) | K391J15C0GL5.H5                            | K391K15C0GL5.H5                            |
| 470                                           |                     | 5.0 mm (0.20) | K471J20C0GL5.H5                            | K471K20C0GL5.H5                            |
| 560                                           |                     | 5.0 mm (0.20) | K561J20C0GL5.H5                            | K561K20C0GL5.H5                            |
| 680                                           |                     | 5.0 mm (0.20) | K681J20C0GL5.H5                            | K681K20C0GL5.H5                            |
| 820                                           |                     | 5.0 mm (0.20) | K821J20C0GL5.H5                            | K821K20C0GL5.H5                            |
| 1000                                          |                     | 5.0 mm (0.20) | K102J20C0GL5.H5                            | K102K20C0GL5.H5                            |
| 1200                                          |                     | 5.0 mm (0.20) | K122J20C0GL5.H5                            | K122K20C0GL5.H5                            |
| 1500                                          |                     | 5.0 mm (0.20) | K152J20C0GL5.H5                            | K152K20C0GL5.H5                            |
| 1800                                          |                     | 5.0 mm (0.20) | K182J20C0GL5.H5                            | K182K20C0GL5.H5                            |



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