

**Dipped Axial Multilayer Ceramic Capacitors
for 50 - 100 Vdc**



**RoHS
COMPLIANT**

DIMENSIONS



| CAPACITOR DIMENSIONS AND WEIGHT | | | |
|--|----------------------------------|-----------------------------------|------------|
| SIZE | Lb _{max} ⁽¹⁾ | Ø D _{max} ⁽¹⁾ | WEIGHT (g) |
| 15 | 3.8 (0.150) | 2.5 (0.100) | ≈ 0.14 |
| 20 | 5.0 (0.200) | 3.0 (0.120) | ≈ 0.15 |

Note

1. Dimensions between the parentheses are in inches

| QUICK REFERENCE DATA | | | |
|-----------------------------|---------------|------------------|------------------|
| DESCRIPTION | VALUE | | |
| Capacitance range | 10 to 5600 pF | 100 pF to 1.0 µF | 0.1 µF to 1.0 µF |
| Rated DC voltage | 50 V 100 V | 50 V 100 V | 50 V 100 V |
| Tolerance on capacitance | ± 5 %, ± 10 % | ± 10 %, ± 20 % | + 80 /- 20 % |
| Dielectric Code | C0G (NP0) | X7R | Y5V |

| ORDERING INFORMATION | | | | | | | |
|---|---|---|--|-------------------|---|--------------------|---------------------------|
| A | 103 | K | 15 | X7R | F | 5 | TAA |
| PRODUCT TYPE | CAPACITANCE CODE | CAP. TOLERANCE | SIZE CODE | TEMP. CHAR. | RATED VOLTAGE | LEAD DIA. | PACKAGING |
| A = Mono-Axial | Two significant digits followed by the number of zeros. For example: 473 = 47000 pF | J = ± 5 % K = ± 10 % M = ± 20 % Z = + 80 /- 20 % | 15 = 3.8 (0.15") max. 20 = 5.0 (0.20") max. | C0G X7R Y5V | F = 50 V _{DC} H = 100 V _{DC} | 5 = 0.5 mm (0.20") | TAA = T & R UAA = AMMO |
| Ordering Example: A-103-K-15-X7R-F-5-TAA | | | | | | | |



**CAPACITANCE RANGE CHART
C0G (NP0) DIELECTRIC**

| SIZE | | 15 | | 20 | |
|---------------|------|----|-----|----|-----|
| RATED VOLTAGE | | 50 | 100 | 50 | 100 |
| 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 | | | | |

X7R DIELECTRIC

| SIZE | | 15 | | 20 | |
|---------------|------|----|-----|----|-----|
| RATED VOLTAGE | | 50 | 100 | 50 | 100 |
| 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 | | | | |
| 0.12 μF | 124 | | | | |
| 0.15 μF | 154 | | | | |
| 0.22 μF | 224 | | | | |
| 0.33 μF | 334 | | | | |
| 0.47 μF | 474 | | | | |
| 0.68 μF | 684 | | | | |
| 1.0 μF | 105 | | | | |

Y5V DIELECTRIC

| SIZE | | 15 | | 20 | |
|---------------|------|----|-----|----|-----|
| RATED VOLTAGE | | 50 | 100 | 50 | 100 |
| VALUE | CODE | | | | |
| 0.01 μF | 103 | | | | |
| 0.015 μF | 153 | | | | |
| 0.022 μF | 223 | | | | |
| 0.033 μF | 333 | | | | |
| 0.047 μF | 473 | | | | |
| 0.068 μF | 683 | | | | |
| 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

| MONO-AXIAL Y5V - 50 VDC CLEAR TEXT CODE | | | |
|--|---------------------|------------------------|-----------|
| CAP (pF) | RATED VOLTAGE (Vdc) | + 80 /- 20 % TOLERANCE | PACKAGING |
| 10000 | 50 Vdc | A103Z15Y5VF5TAA | REEL |
| 10000 | | A103Z15Y5VF5UAA | AMMO |
| 15000 | | A153Z15Y5VF5TAA | REEL |
| 15000 | | A153Z15Y5VF5UAA | AMMO |
| 22000 | | A223Z15Y5VF5TAA | REEL |
| 22000 | | A223Z15Y5VF5UAA | AMMO |
| 33000 | | A333Z15Y5VF5TAA | REEL |
| 33000 | | A333Z15Y5VF5UAA | AMMO |
| 47000 | | A473Z15Y5VF5TAA | REEL |
| 47000 | | A473Z15Y5VF5UAA | AMMO |
| 68000 | | A683Z15Y5VF5TAA | REEL |
| 68000 | | A683Z15Y5VF5UAA | AMMO |
| 100000 | | A104Z15Y5VF5TAA | REEL |
| 100000 | | A104Z15Y5VF5UAA | AMMO |
| 150000 | | A154Z15Y5VF5TAA | REEL |
| 150000 | | A154Z15Y5VF5UAA | AMMO |
| 220000 | | A224Z15Y5VF5TAA | REEL |
| 220000 | | A224Z15Y5VF5UAA | AMMO |
| 330000 | | A334Z15Y5VF5TAA | REEL |
| 330000 | | A334Z15Y5VF5UAA | AMMO |
| 470000 | A474Z20Y5VF5TAA | REEL | |
| 470000 | A474Z20Y5VF5UAA | AMMO | |
| 680000 | A684Z20Y5VF5TAA | REEL | |
| 680000 | A684Z20Y5VF5UAA | AMMO | |
| 1000000 | A105Z20Y5VF5TAA | REEL | |
| 1000000 | A105Z20Y5VF5UAA | AMMO | |

| MONO-AXIAL X7R - 50 VDC CLEAR TEXT CODE | | | | |
|--|---------------------|-----------------|-----------------|-----------|
| CAP (pF) | RATED VOLTAGE (Vdc) | 10 % TOLERANCE | 20 % TOLERANCE | PACKAGING |
| 100 | 50 Vdc | A101K15X7RF5TAA | A101M15X7RF5TAA | REEL |
| 100 | | A101K15X7RF5UAA | A101M15X7RF5UAA | AMMO |
| 120 | | A121K15X7RF5TAA | A121M15X7RF5TAA | REEL |
| 120 | | A121K15X7RF5UAA | A121M15X7RF5UAA | AMMO |
| 150 | | A151K15X7RF5TAA | A151M15X7RF5TAA | REEL |
| 150 | | A151K15X7RF5UAA | A151M15X7RF5UAA | AMMO |
| 180 | | A181K15X7RF5TAA | A181M15X7RF5TAA | REEL |
| 180 | | A181K15X7RF5UAA | A181M15X7RF5UAA | AMMO |
| 220 | | A221K15X7RF5TAA | A221M15X7RF5TAA | REEL |
| 220 | | A221K15X7RF5UAA | A221M15X7RF5UAA | AMMO |
| 270 | | A271K15X7RF5TAA | A271M15X7RF5TAA | REEL |
| 270 | | A271K15X7RF5UAA | A271M15X7RF5UAA | AMMO |
| 330 | | A331K15X7RF5TAA | A331M15X7RF5TAA | REEL |
| 330 | | A331K15X7RF5UAA | A331M15X7RF5UAA | AMMO |
| 390 | | A391K15X7RF5TAA | A391M15X7RF5TAA | REEL |
| 390 | | A391K15X7RF5UAA | A391M15X7RF5UAA | AMMO |
| 470 | | A471K15X7RF5TAA | A471M15X7RF5TAA | REEL |
| 470 | | A471K15X7RF5UAA | A471M15X7RF5UAA | AMMO |
| 560 | | A561K15X7RF5TAA | A561M15X7RF5TAA | REEL |
| 560 | | A561K15X7RF5UAA | A561M15X7RF5UAA | AMMO |
| 680 | A681K15X7RF5TAA | A681M15X7RF5TAA | REEL | |
| 680 | A681K15X7RF5UAA | A681M15X7RF5UAA | AMMO | |



**Dipped Axial Multilayer Ceramic Capacitors
for 50 - 100 Vdc**

| MONO-AXIAL X7R - 50 VDC CLEAR TEXT CODE | | | | |
|--|----------------------------|-----------------------|-----------------------|------------------|
| CAP (pF) | RATED VOLTAGE (Vdc) | 10 % TOLERANCE | 20 % TOLERANCE | PACKAGING |
| 820 | 50 Vdc | A821K15X7RF5TAA | A821M15X7RF5TAA | REEL |
| 820 | | A821K15X7RF5UAA | A821M15X7RF5UAA | AMMO |
| 1000 | | A102K15X7RF5TAA | A102M15X7RF5TAA | REEL |
| 1000 | | A102K15X7RF5UAA | A102M15X7RF5UAA | AMMO |
| 1200 | | A122K15X7RF5TAA | A122M15X7RF5TAA | REEL |
| 1200 | | A122K15X7RF5UAA | A122M15X7RF5UAA | AMMO |
| 1500 | | A152K15X7RF5TAA | A152M15X7RF5TAA | REEL |
| 1500 | | A152K15X7RF5UAA | A152M15X7RF5UAA | AMMO |
| 1800 | | A182K15X7RF5TAA | A182M15X7RF5TAA | REEL |
| 1800 | | A182K15X7RF5UAA | A182M15X7RF5UAA | AMMO |
| 2200 | | A222K15X7RF5TAA | A222M15X7RF5TAA | REEL |
| 2200 | | A222K15X7RF5UAA | A222M15X7RF5UAA | AMMO |
| 2700 | | A272K15X7RF5TAA | A272M15X7RF5TAA | REEL |
| 2700 | | A272K15X7RF5UAA | A272M15X7RF5UAA | AMMO |
| 3300 | | A332K15X7RF5TAA | A332M15X7RF5TAA | REEL |
| 3300 | | A332K15X7RF5UAA | A332M15X7RF5UAA | AMMO |
| 3900 | | A392K15X7RF5TAA | A392M15X7RF5TAA | REEL |
| 3900 | | A392K15X7RF5UAA | A392M15X7RF5UAA | AMMO |
| 4700 | | A472K15X7RF5TAA | A472M15X7RF5TAA | REEL |
| 4700 | | A472K15X7RF5UAA | A472M15X7RF5UAA | AMMO |
| 5600 | | A562K15X7RF5TAA | A562M15X7RF5TAA | REEL |
| 5600 | | A562K15X7RF5UAA | A562M15X7RF5UAA | AMMO |
| 6800 | | A682K15X7RF5TAA | A682M15X7RF5TAA | REEL |
| 6800 | | A682K15X7RF5UAA | A682M15X7RF5UAA | AMMO |
| 8200 | | A822K15X7RF5TAA | A822M15X7RF5TAA | REEL |
| 8200 | | A822K15X7RF5UAA | A822M15X7RF5UAA | AMMO |
| 10000 | | A103K15X7RF5TAA | A103M15X7RF5TAA | REEL |
| 10000 | | A103K15X7RF5UAA | A103M15X7RF5UAA | AMMO |
| 12000 | | A123K15X7RF5TAA | A123M15X7RF5TAA | REEL |
| 12000 | | A123K15X7RF5UAA | A123M15X7RF5UAA | AMMO |
| 15000 | | A153K15X7RF5TAA | A153M15X7RF5TAA | REEL |
| 15000 | | A153K15X7RF5UAA | A153M15X7RF5UAA | AMMO |
| 18000 | | A183K15X7RF5TAA | A183M15X7RF5TAA | REEL |
| 18000 | | A183K15X7RF5UAA | A183M15X7RF5UAA | AMMO |
| 22000 | | A223K15X7RF5TAA | A223M15X7RF5TAA | REEL |
| 22000 | | A223K15X7RF5UAA | A223M15X7RF5UAA | AMMO |
| 27000 | | A273K15X7RF5TAA | A273M15X7RF5TAA | REEL |
| 27000 | | A273K15X7RF5UAA | A273M15X7RF5UAA | AMMO |
| 33000 | | A333K15X7RF5TAA | A333M15X7RF5TAA | REEL |
| 33000 | | A333K15X7RF5UAA | A333M15X7RF5UAA | AMMO |
| 39000 | A393K15X7RF5TAA | A393M15X7RF5TAA | REEL | |
| 39000 | A393K15X7RF5UAA | A393M15X7RF5UAA | AMMO | |
| 47000 | A473K15X7RF5TAA | A473M15X7RF5TAA | REEL | |
| 47000 | A473K15X7RF5UAA | A473M15X7RF5UAA | AMMO | |
| 56000 | A563K15X7RF5TAA | A563M15X7RF5TAA | REEL | |
| 56000 | A563K15X7RF5UAA | A563M15X7RF5UAA | AMMO | |
| 68000 | A683K15X7RF5TAA | A683M15X7RF5TAA | REEL | |
| 68000 | A683K15X7RF5UAA | A683M15X7RF5UAA | AMMO | |
| 82000 | A823K15X7RF5TAA | A823M15X7RF5TAA | REEL | |
| 82000 | A823K15X7RF5UAA | A823M15X7RF5UAA | AMMO | |
| 100000 | A104K15X7RF5TAA | A104M15X7RF5TAA | REEL | |
| 100000 | A104K15X7RF5UAA | A104M15X7RF5UAA | AMMO | |
| 120000 | A124K20X7RF5TAA | A124M20X7RF5TAA | REEL | |

| MONO-AXIAL X7R - 50 VDC CLEAR TEXT CODE | | | | |
|--|---------------------|-----------------|-----------------|-----------|
| CAP (pF) | RATED VOLTAGE (Vdc) | 10 % TOLERANCE | 20 % TOLERANCE | PACKAGING |
| 120000 | 50 Vdc | A124K20X7RF5UAA | A124M20X7RF5UAA | AMMO |
| 150000 | | A154K20X7RF5TAA | A154M20X7RF5TAA | REEL |
| 150000 | | A154K20X7RF5UAA | A154M20X7RF5UAA | AMMO |
| 220000 | | A224K20X7RF5TAA | A224M20X7RF5TAA | REEL |
| 220000 | | A224K20X7RF5UAA | A224M20X7RF5UAA | AMMO |
| 330000 | | A334K20X7RF5TAA | A334M20X7RF5TAA | REEL |
| 330000 | | A334K20X7RF5UAA | A334M20X7RF5UAA | AMMO |
| 470000 | | A474K20X7RF5TAA | A474M20X7RF5TAA | REEL |
| 470000 | | A474K20X7RF5UAA | A474M20X7RF5UAA | AMMO |
| 680000 | | A684K20X7RF5TAA | A684M20X7RF5TAA | REEL |
| 680000 | | A684K20X7RF5UAA | A684M20X7RF5UAA | AMMO |
| 1000000 | | A105K20X7RF5TAA | A105M20X7RF5TAA | REEL |
| 1000000 | | A105K20X7RF5UAA | A105M20X7RF5UAA | AMMO |

| MONO-AXIAL COG - 50 VDC CLEAR TEXT CODE | | | | |
|--|---------------------|-----------------|-----------------|-----------|
| CAP (pF) | RATED VOLTAGE (VDC) | 5 % TOLERANCE | 10 % TOLERANCE | PACKAGING |
| 10 | 50 Vdc | A100J15C0GF5TAA | A100K15C0GF5TAA | REEL |
| 10 | | A100J15C0GF5UAA | A100K15C0GF5UAA | AMMO |
| 12 | | A120J15C0GF5TAA | A120K15C0GF5TAA | REEL |
| 12 | | A120J15C0GF5UAA | A120K15C0GF5UAA | AMMO |
| 15 | | A150J15C0GF5TAA | A150K15C0GF5TAA | REEL |
| 15 | | A150J15C0GF5UAA | A150K15C0GF5UAA | AMMO |
| 18 | | A180J15C0GF5TAA | A180K15C0GF5TAA | REEL |
| 18 | | A180J15C0GF5UAA | A180K15C0GF5UAA | AMMO |
| 22 | | A220J15C0GF5TAA | A220K15C0GF5TAA | REEL |
| 22 | | A220J15C0GF5UAA | A220K15C0GF5UAA | AMMO |
| 27 | | A270J15C0GF5TAA | A270K15C0GF5TAA | REEL |
| 27 | | A270J15C0GF5UAA | A270K15C0GF5UAA | AMMO |
| 33 | | A330J15C0GF5TAA | A330K15C0GF5TAA | REEL |
| 33 | | A330J15C0GF5UAA | A330K15C0GF5UAA | AMMO |
| 39 | | A390J15C0GF5TAA | A390K15C0GF5TAA | REEL |
| 39 | | A390J15C0GF5UAA | A390K15C0GF5UAA | AMMO |
| 47 | | A470J15C0GF5TAA | A470K15C0GF5TAA | REEL |
| 47 | | A470J15C0GF5UAA | A470K15C0GF5UAA | AMMO |
| 56 | | A560J15C0GF5TAA | A560K15C0GF5TAA | REEL |
| 56 | | A560J15C0GF5UAA | A560K15C0GF5UAA | AMMO |
| 68 | | A680J15C0GF5TAA | A680K15C0GF5TAA | REEL |
| 68 | | A680J15C0GF5UAA | A680K15C0GF5UAA | AMMO |
| 82 | | A820J15C0GF5TAA | A820K15C0GF5TAA | REEL |
| 82 | | A820J15C0GF5UAA | A820K15C0GF5UAA | AMMO |
| 100 | | A101J15C0GF5TAA | A101K15C0GF5TAA | REEL |
| 100 | | A101J15C0GF5UAA | A101K15C0GF5UAA | AMMO |
| 120 | | A121J15C0GF5TAA | A121K15C0GF5TAA | REEL |
| 120 | | A121J15C0GF5UAA | A121K15C0GF5UAA | AMMO |
| 150 | | A151J15C0GF5TAA | A151K15C0GF5TAA | REEL |
| 150 | | A151J15C0GF5UAA | A151K15C0GF5UAA | AMMO |
| 180 | | A181J15C0GF5TAA | A181K15C0GF5TAA | REEL |
| 180 | | A181J15C0GF5UAA | A181K15C0GF5UAA | AMMO |
| 220 | | A221J15C0GF5TAA | A221K15C0GF5TAA | REEL |
| 220 | A221J15C0GF5UAA | A221K15C0GF5UAA | AMMO | |
| 270 | A271J15C0GF5TAA | A271K15C0GF5TAA | REEL | |
| 270 | A271J15C0GF5UAA | A271K15C0GF5UAA | AMMO | |
| 330 | A331J15C0GF5TAA | A331K15C0GF5TAA | REEL | |



**Dipped Axial Multilayer Ceramic Capacitors
for 50 - 100 Vdc**

| MONO-AXIAL COG - 50 VDC CLEAR TEXT CODE | | | | |
|--|----------------------------|----------------------|-----------------------|------------------|
| CAP (pF) | RATED VOLTAGE (Vdc) | 5 % TOLERANCE | 10 % TOLERANCE | PACKAGING |
| 330 | 50 Vdc | A331J15C0GF5UAA | A331K15C0GF5UAA | AMMO |
| 390 | | A391J15C0GF5TAA | A391K15C0GF5TAA | REEL |
| 390 | | A391J15C0GF5UAA | A391K15C0GF5UAA | AMMO |
| 470 | | A471J15C0GF5TAA | A471K15C0GF5TAA | REEL |
| 470 | | A471J15C0GF5UAA | A471K15C0GF5UAA | AMMO |
| 560 | | A561J15C0GF5TAA | A561K15C0GF5TAA | REEL |
| 560 | | A561J15C0GF5UAA | A561K15C0GF5UAA | AMMO |
| 680 | | A681J15C0GF5TAA | A681K15C0GF5TAA | REEL |
| 680 | | A681J15C0GF5UAA | A681K15C0GF5UAA | AMMO |
| 820 | | A821J15C0GF5TAA | A821K15C0GF5TAA | REEL |
| 820 | | A821J15C0GF5UAA | A821K15C0GF5UAA | AMMO |
| 1000 | | A102J15C0GF5TAA | A102K15C0GF5TAA | REEL |
| 1000 | | A102J15C0GF5UAA | A102K15C0GF5UAA | AMMO |
| 1200 | | A122J15C0GF5TAA | A122K15C0GF5TAA | REEL |
| 1200 | | A122J15C0GF5UAA | A122K15C0GF5UAA | AMMO |
| 1500 | | A152J15C0GF5TAA | A152K15C0GF5TAA | REEL |
| 1500 | | A152J15C0GF5UAA | A152K15C0GF5UAA | AMMO |
| 1800 | | A182J15C0GF5TAA | A182K15C0GF5TAA | REEL |
| 1800 | | A182J15C0GF5UAA | A182K15C0GF5UAA | AMMO |
| 2200 | | A222J15C0GF5TAA | A222K15C0GF5TAA | REEL |
| 2200 | | A222J15C0GF5UAA | A222K15C0GF5UAA | AMMO |
| 2700 | | A272J20C0GF5TAA | A272K20C0GF5TAA | REEL |
| 2700 | | A272J20C0GF5UAA | A272K20C0GF5UAA | AMMO |
| 3300 | | A332J20C0GF5TAA | A332K20C0GF5TAA | REEL |
| 3300 | | A332J20C0GF5UAA | A332K20C0GF5UAA | AMMO |
| 3900 | | A392J20C0GF5TAA | A392K20C0GF5TAA | REEL |
| 3900 | | A392J20C0GF5UAA | A392K20C0GF5UAA | AMMO |
| 4700 | | A472J20C0GF5TAA | A472K20C0GF5TAA | REEL |
| 4700 | | A472J20C0GF5UAA | A472K20C0GF5UAA | AMMO |
| 5600 | | A562J20C0GF5TAA | A562K20C0GF5TAA | REEL |
| 5600 | A562J20C0GF5UAA | A562K20C0GF5UAA | AMMO | |

| MONO-AXIAL Y5V - 100 VDC CLEAR TEXT CODE | | | |
|---|----------------------------|-------------------------------|------------------|
| CAP (pF) | RATED VOLTAGE (Vdc) | + 80 /- 20 % TOLERANCE | PACKAGING |
| 10000 | 100 Vdc | A103Z15Y5VH5TAA | REEL |
| 10000 | | A103Z15Y5VH5UAA | AMMO |
| 15000 | | A153Z15Y5VH5TAA | REEL |
| 15000 | | A153Z15Y5VH5UAA | AMMO |
| 22000 | | A223Z15Y5VH5TAA | REEL |
| 22000 | | A223Z15Y5VH5UAA | AMMO |
| 33000 | | A333Z15Y5VH5TAA | REEL |
| 33000 | | A333Z15Y5VH5UAA | AMMO |
| 47000 | | A473Z15Y5VH5TAA | REEL |
| 47000 | | A473Z15Y5VH5UAA | AMMO |
| 68000 | | A683Z15Y5VH5TAA | REEL |
| 68000 | | A683Z15Y5VH5UAA | AMMO |
| 100000 | | A104Z15Y5VH5TAA | REEL |
| 100000 | | A104Z15Y5VH5UAA | AMMO |
| 150000 | | A154Z20Y5VH5TAA | REEL |
| 150000 | | A154Z20Y5VH5UAA | AMMO |
| 220000 | | A224Z20Y5VH5TAA | REEL |
| 220000 | | A224Z20Y5VH5UAA | AMMO |



| MONO-AXIAL X7R - 100 VDC CLEAR TEXT CODE | | | | |
|---|----------------------------|-----------------------|-----------------------|------------------|
| CAP (pF) | RATED VOLTAGE (Vdc) | 10 % TOLERANCE | 20 % TOLERANCE | PACKAGING |
| 100 | 100 Vdc | A101K15X7RH5TAA | A101M15X7RH5TAA | REEL |
| 100 | | A101K15X7RH5UAA | A101M15X7RH5UAA | AMMO |
| 120 | | A121K15X7RH5TAA | A121M15X7RH5TAA | REEL |
| 120 | | A121K15X7RH5UAA | A121M15X7RH5UAA | AMMO |
| 150 | | A151K15X7RH5TAA | A151M15X7RH5TAA | REEL |
| 150 | | A151K15X7RH5UAA | A151M15X7RH5UAA | AMMO |
| 180 | | A181K15X7RH5TAA | A181M15X7RH5TAA | REEL |
| 180 | | A181K15X7RH5UAA | A181M15X7RH5UAA | AMMO |
| 220 | | A221K15X7RH5TAA | A221M15X7RH5TAA | REEL |
| 220 | | A221K15X7RH5UAA | A221M15X7RH5UAA | AMMO |
| 270 | | A271K15X7RH5TAA | A271M15X7RH5TAA | REEL |
| 270 | | A271K15X7RH5UAA | A271M15X7RH5UAA | AMMO |
| 330 | | A331K15X7RH5TAA | A331M15X7RH5TAA | REEL |
| 330 | | A331K15X7RH5UAA | A331M15X7RH5UAA | AMMO |
| 390 | | A391K15X7RH5TAA | A391M15X7RH5TAA | REEL |
| 390 | | A391K15X7RH5UAA | A391M15X7RH5UAA | AMMO |
| 470 | | A471K15X7RH5TAA | A471M15X7RH5TAA | REEL |
| 470 | | A471K15X7RH5UAA | A471M15X7RH5UAA | AMMO |
| 560 | | A561K15X7RH5TAA | A561M15X7RH5TAA | REEL |
| 560 | | A561K15X7RH5UAA | A561M15X7RH5UAA | AMMO |
| 680 | | A681K15X7RH5TAA | A681M15X7RH5TAA | REEL |
| 680 | | A681K15X7RH5UAA | A681M15X7RH5UAA | AMMO |
| 820 | | A821K15X7RH5TAA | A821M15X7RH5TAA | REEL |
| 820 | | A821K15X7RH5UAA | A821M15X7RH5UAA | AMMO |
| 1000 | | A102K15X7RH5TAA | A102M15X7RH5TAA | REEL |
| 1000 | | A102K15X7RH5UAA | A102M15X7RH5UAA | AMMO |
| 1200 | | A122K15X7RH5TAA | A122M15X7RH5TAA | REEL |
| 1200 | | A122K15X7RH5UAA | A122M15X7RH5UAA | AMMO |
| 1500 | | A152K15X7RH5TAA | A152M15X7RH5TAA | REEL |
| 1500 | | A152K15X7RH5UAA | A152M15X7RH5UAA | AMMO |
| 1800 | | A182K15X7RH5TAA | A182M15X7RH5TAA | REEL |
| 1800 | | A182K15X7RH5UAA | A182M15X7RH5UAA | AMMO |
| 2200 | A222K15X7RH5TAA | A222M15X7RH5TAA | REEL | |
| 2200 | A222K15X7RH5UAA | A222M15X7RH5UAA | AMMO | |
| 2700 | A272K15X7RH5TAA | A272M15X7RH5TAA | REEL | |
| 2700 | A272K15X7RH5UAA | A272M15X7RH5UAA | AMMO | |
| 3300 | A332K15X7RH5TAA | A332M15X7RH5TAA | REEL | |
| 3300 | A332K15X7RH5UAA | A332M15X7RH5UAA | AMMO | |
| 3900 | A392K15X7RH5TAA | A392M15X7RH5TAA | REEL | |
| 3900 | A392K15X7RH5UAA | A392M15X7RH5UAA | AMMO | |
| 4700 | A472K15X7RH5TAA | A472M15X7RH5TAA | REEL | |
| 4700 | A472K15X7RH5UAA | A472M15X7RH5UAA | AMMO | |
| 5600 | A562K15X7RH5TAA | A562M15X7RH5TAA | REEL | |
| 5600 | A562K15X7RH5UAA | A562M15X7RH5UAA | AMMO | |
| 6800 | A682K15X7RH5TAA | A682M15X7RH5TAA | REEL | |
| 6800 | A682K15X7RH5UAA | A682M15X7RH5UAA | AMMO | |
| 8200 | A822K15X7RH5TAA | A822M15X7RH5TAA | REEL | |
| 8200 | A822K15X7RH5UAA | A822M15X7RH5UAA | AMMO | |
| 10000 | A103K15X7RH5TAA | A103M15X7RH5TAA | REEL | |
| 10000 | A103K15X7RH5UAA | A103M15X7RH5UAA | AMMO | |
| 12000 | A123K15X7RH5TAA | A123M15X7RH5TAA | REEL | |
| 12000 | A123K15X7RH5UAA | A123M15X7RH5UAA | AMMO | |



**Dipped Axial Multilayer Ceramic Capacitors
for 50 - 100 Vdc**

| MONO-AXIAL X7R - 100 VDC CLEAR TEXT CODE | | | | |
|---|----------------------------|-----------------------|-----------------------|------------------|
| CAP (pF) | RATED VOLTAGE (Vdc) | 10 % TOLERANCE | 20 % TOLERANCE | PACKAGING |
| 15000 | 100 Vdc | A153K15X7RH5TAA | A153M15X7RH5TAA | REEL |
| 15000 | | A153K15X7RH5UAA | A153M15X7RH5UAA | AMMO |
| 18000 | | A183K15X7RH5TAA | A183M15X7RH5TAA | REEL |
| 18000 | | A183K15X7RH5UAA | A183M15X7RH5UAA | AMMO |
| 22000 | | A223K15X7RH5TAA | A223M15X7RH5TAA | REEL |
| 22000 | | A223K15X7RH5UAA | A223M15X7RH5UAA | AMMO |
| 27000 | | A273K20X7RH5TAA | A273M20X7RH5TAA | REEL |
| 27000 | | A273K20X7RH5UAA | A273M20X7RH5UAA | AMMO |
| 33000 | | A333K20X7RH5TAA | A333M20X7RH5TAA | REEL |
| 33000 | | A333K20X7RH5UAA | A333M20X7RH5UAA | AMMO |
| 39000 | | A393K20X7RH5TAA | A393M20X7RH5TAA | REEL |
| 39000 | | A393K20X7RH5UAA | A393M20X7RH5UAA | AMMO |
| 47000 | | A473K20X7RH5TAA | A473M20X7RH5TAA | REEL |
| 47000 | | A473K20X7RH5UAA | A473M20X7RH5UAA | AMMO |
| 56000 | | A563K20X7RH5TAA | A563M20X7RH5TAA | REEL |
| 56000 | | A563K20X7RH5UAA | A563M20X7RH5UAA | AMMO |
| 68000 | | A683K20X7RH5TAA | A683M20X7RH5TAA | REEL |
| 68000 | | A683K20X7RH5UAA | A683M20X7RH5UAA | AMMO |
| 82000 | | A823K20X7RH5TAA | A823M20X7RH5TAA | REEL |
| 82000 | | A823K20X7RH5UAA | A823M20X7RH5UAA | AMMO |
| 100000 | | A104K20X7RH5TAA | A104M20X7RH5TAA | REEL |
| 100000 | | A104K20X7RH5UAA | A104M20X7RH5UAA | AMMO |

| MONO-AXIAL COG - 100 VDC V CLEAR TEXT CODE | | | | |
|---|----------------------------|----------------------|-----------------------|------------------|
| CAP (pF) | RATED VOLTAGE (Vdc) | 5 % TOLERANCE | 10 % TOLERANCE | PACKAGING |
| 10 | 100 Vdc | A100J15C0GH5TAA | A100K15C0GH5TAA | REEL |
| 10 | | A100J15C0GH5UAA | A100K15C0GH5UAA | AMMO |
| 12 | | A120J15C0GH5TAA | A120K15C0GH5TAA | REEL |
| 12 | | A120J15C0GH5UAA | A120K15C0GH5UAA | AMMO |
| 15 | | A150J15C0GH5TAA | A150K15C0GH5TAA | REEL |
| 15 | | A150J15C0GH5UAA | A150K15C0GH5UAA | AMMO |
| 18 | | A180J15C0GH5TAA | A180K15C0GH5TAA | REEL |
| 18 | | A180J15C0GH5UAA | A180K15C0GH5UAA | AMMO |
| 22 | | A220J15C0GH5TAA | A220K15C0GH5TAA | REEL |
| 22 | | A220J15C0GH5UAA | A220K15C0GH5UAA | AMMO |
| 27 | | A270J15C0GH5TAA | A270K15C0GH5TAA | REEL |
| 27 | | A270J15C0GH5UAA | A270K15C0GH5UAA | AMMO |
| 33 | | A330J15C0GH5TAA | A330K15C0GH5TAA | REEL |
| 33 | | A330J15C0GH5UAA | A330K15C0GH5UAA | AMMO |
| 39 | | A390J15C0GH5TAA | A390K15C0GH5TAA | REEL |
| 39 | | A390J15C0GH5UAA | A390K15C0GH5UAA | AMMO |
| 47 | | A470J15C0GH5TAA | A470K15C0GH5TAA | REEL |
| 47 | | A470J15C0GH5UAA | A470K15C0GH5UAA | AMMO |
| 56 | | A560J15C0GH5TAA | A560K15C0GH5TAA | REEL |
| 56 | | A560J15C0GH5UAA | A560K15C0GH5UAA | AMMO |
| 68 | | A680J15C0GH5TAA | A680K15C0GH5TAA | REEL |
| 68 | | A680J15C0GH5UAA | A680K15C0GH5UAA | AMMO |
| 82 | | A820J15C0GH5TAA | A820K15C0GH5TAA | REEL |
| 82 | | A820J15C0GH5UAA | A820K15C0GH5UAA | AMMO |
| 100 | A101J15C0GH5TAA | A101K15C0GH5TAA | REEL | |
| 100 | A101J15C0GH5UAA | A101K15C0GH5UAA | AMMO | |
| 120 | A121J15C0GH5TAA | A121K15C0GH5TAA | REEL | |



| MONO-AXIAL COG - 100 VDC V CLEAR TEXT CODE | | | | |
|---|----------------------------|----------------------|-----------------------|------------------|
| CAP (pF) | RATED VOLTAGE (Vdc) | 5 % TOLERANCE | 10 % TOLERANCE | PACKAGING |
| 120 | 100 Vdc | A121J15C0GH5UAA | A121K15C0GH5UAA | AMMO |
| 150 | | A151J15C0GH5TAA | A151K15C0GH5TAA | REEL |
| 150 | | A151J15C0GH5UAA | A151K15C0GH5UAA | AMMO |
| 180 | | A181J15C0GH5TAA | A181K15C0GH5TAA | REEL |
| 180 | | A181J15C0GH5UAA | A181K15C0GH5UAA | AMMO |
| 220 | | A221J15C0GH5TAA | A221K15C0GH5TAA | REEL |
| 220 | | A221J15C0GH5UAA | A221K15C0GH5UAA | AMMO |
| 270 | | A271J15C0GH5TAA | A271K15C0GH5TAA | REEL |
| 270 | | A271J15C0GH5UAA | A271K15C0GH5UAA | AMMO |
| 330 | | A331J15C0GH5TAA | A331K15C0GH5TAA | REEL |
| 330 | | A331J15C0GH5UAA | A331K15C0GH5UAA | AMMO |
| 390 | | A391J15C0GH5TAA | A391K15C0GH5TAA | REEL |
| 390 | | A391J15C0GH5UAA | A391K15C0GH5UAA | AMMO |
| 470 | | A471J15C0GH5TAA | A471K15C0GH5TAA | REEL |
| 470 | | A471J15C0GH5UAA | A471K15C0GH5UAA | AMMO |
| 560 | | A561J15C0GH5TAA | A561K15C0GH5TAA | REEL |
| 560 | | A561J15C0GH5UAA | A561K15C0GH5UAA | AMMO |
| 680 | | A681J15C0GH5TAA | A681K15C0GH5TAA | REEL |
| 680 | | A681J15C0GH5UAA | A681K15C0GH5UAA | AMMO |
| 820 | | A821J15C0GH5TAA | A821K15C0GH5TAA | REEL |
| 820 | | A821J15C0GH5UAA | A821K15C0GH5UAA | AMMO |
| 1000 | | A102J20C0GH5TAA | A102K20C0GH5TAA | REEL |
| 1000 | | A102J20C0GH5UAA | A102K20C0GH5UAA | AMMO |
| 1200 | | A122J20C0GH5TAA | A122K20C0GH5TAA | REEL |
| 1200 | | A122J20C0GH5UAA | A122K20C0GH5UAA | AMMO |
| 1500 | | A152J20C0GH5TAA | A152K20C0GH5TAA | REEL |
| 1500 | | A152J20C0GH5UAA | A152K20C0GH5UAA | AMMO |
| 1800 | | A182J20C0GH5TAA | A182K20C0GH5TAA | REEL |
| 1800 | | A182J20C0GH5UAA | A182K20C0GH5UAA | AMMO |
| 2200 | | A222J20C0GH5TAA | A222K20C0GH5TAA | REEL |
| 2200 | | A222J20C0GH5UAA | A222K20C0GH5UAA | AMMO |
| 2700 | | A272J20C0GH5TAA | A272K20C0GH5TAA | REEL |
| 2700 | A272J20C0GH5UAA | A272K20C0GH5UAA | AMMO | |
| 3300 | A332J20C0GH5TAA | A332K20C0GH5TAA | REEL | |
| 3300 | A332J20C0GH5UAA | A332K20C0GH5UAA | AMMO | |
| 3900 | A392J20C0GH5TAA | A392K20C0GH5TAA | REEL | |
| 3900 | A392J20C0GH5UAA | A392K20C0GH5UAA | AMMO | |
| 4700 | A472J20C0GH5TAA | A472K20C0GH5TAA | REEL | |
| 4700 | A472J20C0GH5UAA | A472K20C0GH5UAA | AMMO | |
| 5600 | A562J20C0GH5TAA | A562K20C0GH5TAA | REEL | |
| 5600 | A562J20C0GH5UAA | A562K20C0GH5UAA | AMMO | |



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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
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Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.