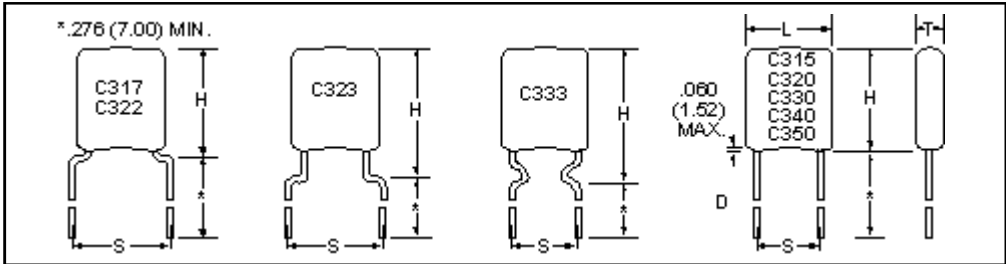




Product Data Sheet

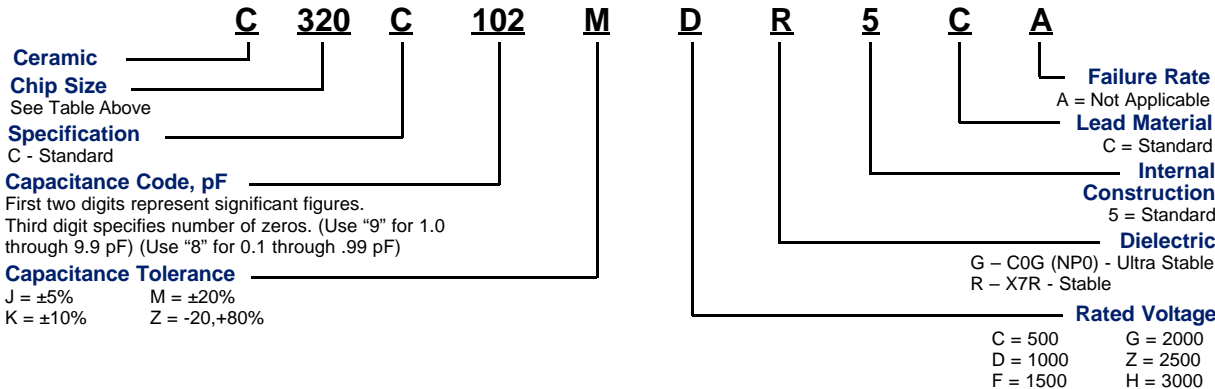
Ceramic Conformally Coated/Radial High Voltage Golden Max Outline Drawings



Dimensions – Inches & Millimeters

| Case Size | L Max. | H Max. | T Max. | S (1) ± .030 (.76) | D + .004 (.10) - .001 (.76) |
|-----------|--------------|--------------|-------------|-----------------------|-----------------------------------|
| C315 | .150 (3.81) | .210 (5.33) | .100 (2.54) | .100 (2.54) | .020 (.51) |
| C317 | .150 (3.81) | .230 (5.84) | .100 (2.54) | .200 (5.08) | .020 (.51) |
| C320 | .200 (5.08) | .260 (6.60) | .125 (3.18) | .100 (2.54) | .020 (.51) |
| C322 | .200 (5.08) | .260 (6.60) | .125 (3.18) | .200 (5.08) | .020 (.51) |
| C323 | .200 (5.08) | .320 (8.13) | .125 (3.18) | .200 (5.08) | .020 (.51) |
| C330 | .300 (7.62) | .360 (9.14) | .150 (3.81) | .200 (5.08) | .020 (.51) |
| C333 | .300 (7.62) | .390 (9.91) | .150 (3.81) | .200 (5.08) | .020 (.51) |
| C340 | .400 (10.16) | .460 (11.68) | .150 (3.81) | .200 (5.08) | .020 (.51) |
| C350 | .500 (12.70) | .560 (14.22) | .200 (5.08) | .400 (10.16) | .025 (.64) |

Ordering Information



Capacitance Ratings – C0G Dielectric

| Cap pF/μF | Cap Code | 31X | | 32X | | | | 33X | | | | | 34X | | | | 35X | | | | | |
|--------------|-------------|------|-------|------|-------|-------|-------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|--|
| | | 500V | 1000V | 500V | 1000V | 1500V | 2000V | 500V | 1000V | 1500V | 2000V | 2500V | 3000V | 500V | 1000V | 2000V | 3000V | 500V | 1000V | 2000V | 3000V | |
| 1.0pF | 109 | | | | | | | | | | | | | | | | | | | | | |
| 1.1 | 119 | | | | | | | | | | | | | | | | | | | | | |
| 1.2 | 129 | | | | | | | | | | | | | | | | | | | | | |
| 1.3 | 139 | | | | | | | | | | | | | | | | | | | | | |
| 1.5 | 159 | | | | | | | | | | | | | | | | | | | | | |
| 1.6 | 169 | | | | | | | | | | | | | | | | | | | | | |
| 1.8 | 189 | | | | | | | | | | | | | | | | | | | | | |
| 2.0 | 209 | | | | | | | | | | | | | | | | | | | | | |
| 2.2 | 229 | | | | | | | | | | | | | | | | | | | | | |
| 2.4 | 249 | | | | | | | | | | | | | | | | | | | | | |
| 2.7 | 279 | | | | | | | | | | | | | | | | | | | | | |
| 3.0 | 309 | | | | | | | | | | | | | | | | | | | | | |
| 3.3 | 339 | | | | | | | | | | | | | | | | | | | | | |
| 3.6 | 369 | | | | | | | | | | | | | | | | | | | | | |
| 3.9 | 399 | | | | | | | | | | | | | | | | | | | | | |
| 4.3 | 439 | | | | | | | | | | | | | | | | | | | | | |
| 4.7 | 479 | | | | | | | | | | | | | | | | | | | | | |
| 5.1 | 519 | | | | | | | | | | | | | | | | | | | | | |
| 5.6 | 569 | | | | | | | | | | | | | | | | | | | | | |
| 6.2 | 629 | | | | | | | | | | | | | | | | | | | | | |
| 6.8 | 689 | | | | | | | | | | | | | | | | | | | | | |
| 7.5 | 759 | | | | | | | | | | | | | | | | | | | | | |
| 8.2 | 829 | | | | | | | | | | | | | | | | | | | | | |
| 9.1 | 919 | | | | | | | | | | | | | | | | | | | | | |
| 10 | 100 | | | | | | | | | | | | | | | | | | | | | |
| 11 | 110 | | | | | | | | | | | | | | | | | | | | | |
| 12 | 120 | | | | | | | | | | | | | | | | | | | | | |
| 13 | 130 | | | | | | | | | | | | | | | | | | | | | |
| 15 | 150 | | | | | | | | | | | | | | | | | | | | | |
| 16 | 160 | | | | | | | | | | | | | | | | | | | | | |
| 18 | 180 | | | | | | | | | | | | | | | | | | | | | |
| 20 | 200 | | | | | | | | | | | | | | | | | | | | | |
| 22 | 220 | | | | | | | | | | | | | | | | | | | | | |
| 24 | 240 | | | | | | | | | | | | | | | | | | | | | |
| 27 | 270 | | | | | | | | | | | | | | | | | | | | | |
| 30 | 300 | | | | | | | | | | | | | | | | | | | | | |
| 33 | 330 | | | | | | | | | | | | | | | | | | | | | |
| 36 | 360 | | | | | | | | | | | | | | | | | | | | | |
| 39 | 390 | | | | | | | | | | | | | | | | | | | | | |
| 43 | 430 | | | | | | | | | | | | | | | | | | | | | |
| 47 | 470 | | | | | | | | | | | | | | | | | | | | | |
| 51 | 510 | | | | | | | | | | | | | | | | | | | | | |
| 56 | 560 | | | | | | | | | | | | | | | | | | | | | |
| 62 | 620 | | | | | | | | | | | | | | | | | | | | | |
| 68 | 680 | | | | | | | | | | | | | | | | | | | | | |
| 75 | 750 | | | | | | | | | | | | | | | | | | | | | |
| 82 | 820 | | | | | | | | | | | | | | | | | | | | | |
| 91 | 910 | | | | | | | | | | | | | | | | | | | | | |
| 100 | 101 | | | | | | | | | | | | | | | | | | | | | |
| 110 | 111 | | | | | | | | | | | | | | | | | | | | | |
| 120 | 121 | | | | | | | | | | | | | | | | | | | | | |
| 130 | 131 | | | | | | | | | | | | | | | | | | | | | |
| 150 | 151 | | | | | | | | | | | | | | | | | | | | | |
| 160 | 161 | | | | | | | | | | | | | | | | | | | | | |
| 180 | 181 | | | | | | | | | | | | | | | | | | | | | |
| 200 | 201 | | | | | | | | | | | | | | | | | | | | | |
| 220 | 221 | | | | | | | | | | | | | | | | | | | | | |
| 240 | 241 | | | | | | | | | | | | | | | | | | | | | |
| 270 | 271 | | | | | | | | | | | | | | | | | | | | | |
| 300 | 301 | | | | | | | | | | | | | | | | | | | | | |
| 330 | 331 | | | | | | | | | | | | | | | | | | | | | |
| 360 | 361 | | | | | | | | | | | | | | | | | | | | | |
| 390 | 391 | | | | | | | | | | | | | | | | | | | | | |
| 430 | 431 | | | | | | | | | | | | | | | | | | | | | |
| 470 | 471 | | | | | | | | | | | | | | | | | | | | | |
| 510 | 510 | | | | | | | | | | | | | | | | | | | | | |
| 560 | 560 | | | | | | | | | | | | | | | | | | | | | |
| 620 | 621 | | | | | | | | | | | | | | | | | | | | | |
| 680 | 681 | | | | | | | | | | | | | | | | | | | | | |
| 750 | 751 | | | | | | | | | | | | | | | | | | | | | |
| 820 | 821 | | | | | | | | | | | | | | | | | | | | | |
| 910 | 911 | | | | | | | | | | | | | | | | | | | | | |

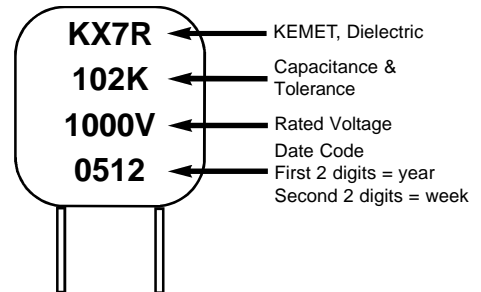
Capacitance Ratings – C0G Dielectric Cont.

| Cap pF/μF | Cap Code | 31X | | 32X | | | | 33X | | | | | | 34X | | | | 35X | | | | |
|--------------|-------------|------|-------|------|-------|-------|-------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|--|
| | | 500V | 1000V | 500V | 1000V | 1500V | 2000V | 500V | 1000V | 1500V | 2000V | 2500V | 3000V | 500V | 1000V | 2000V | 3000V | 500V | 1000V | 2000V | 3000V | |
| 1000pF | 102 | | | | | | | | | | | | | | | | | | | | | |
| 1100 | 112 | | | | | | | | | | | | | | | | | | | | | |
| 1200 | 122 | | | | | | | | | | | | | | | | | | | | | |
| 1300 | 132 | | | | | | | | | | | | | | | | | | | | | |
| 1500 | 152 | | | | | | | | | | | | | | | | | | | | | |
| 1600 | 162 | | | | | | | | | | | | | | | | | | | | | |
| 1800 | 182 | | | | | | | | | | | | | | | | | | | | | |
| 2000 | 202 | | | | | | | | | | | | | | | | | | | | | |
| 2200 | 222 | | | | | | | | | | | | | | | | | | | | | |
| 2400 | 242 | | | | | | | | | | | | | | | | | | | | | |
| 2700 | 272 | | | | | | | | | | | | | | | | | | | | | |
| 3000 | 302 | | | | | | | | | | | | | | | | | | | | | |
| 3300 | 332 | | | | | | | | | | | | | | | | | | | | | |
| 3600 | 362 | | | | | | | | | | | | | | | | | | | | | |
| 3900 | 392 | | | | | | | | | | | | | | | | | | | | | |
| 4300 | 432 | | | | | | | | | | | | | | | | | | | | | |
| 4700 | 472 | | | | | | | | | | | | | | | | | | | | | |
| 5100 | 512 | | | | | | | | | | | | | | | | | | | | | |
| 5600 | 562 | | | | | | | | | | | | | | | | | | | | | |
| 6200 | 622 | | | | | | | | | | | | | | | | | | | | | |
| 6800 | 682 | | | | | | | | | | | | | | | | | | | | | |
| 7500 | 752 | | | | | | | | | | | | | | | | | | | | | |
| 8200 | 822 | | | | | | | | | | | | | | | | | | | | | |
| 9100 | 912 | | | | | | | | | | | | | | | | | | | | | |
| .010μF | 103 | | | | | | | | | | | | | | | | | | | | | |
| .012 | 123 | | | | | | | | | | | | | | | | | | | | | |
| .015 | 153 | | | | | | | | | | | | | | | | | | | | | |
| .018 | 183 | | | | | | | | | | | | | | | | | | | | | |
| .022 | 223 | | | | | | | | | | | | | | | | | | | | | |
| .027 | 273 | | | | | | | | | | | | | | | | | | | | | |
| .033 | 333 | | | | | | | | | | | | | | | | | | | | | |
| .039 | 393 | | | | | | | | | | | | | | | | | | | | | |

Packaging

| KEMET Series | Standard Bulk Qty. | Standard Reel Qty. | Reel Size |
|--------------|--------------------|--------------------|-----------|
| C31X | 500/Bag | 2500 | 12" |
| C32X | 500/Bag | 2500 | 12" |
| C33X | 250/Bag | 1500 | 12" |
| C34X | 100/Bag | 1000 | 12" |
| C35X | 50/Bag | N/A | N/A |

Marking



Capacitance Ratings – X7R Dielectric

| Cap pF/μF | Cap Code | 31X | | 32X | | | | 33X | | | | | 34X | | | | 35X | | | | | |
|--------------|-------------|------|-------|------|-------|-------|-------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|--|
| | | 500V | 1000V | 500V | 1000V | 1500V | 2000V | 500V | 1000V | 1500V | 2000V | 2500V | 3000V | 500V | 1000V | 2000V | 3000V | 500V | 1000V | 2000V | 3000V | |
| 10pF | 100 | | | | | | | | | | | | | | | | | | | | | |
| 12 | 120 | | | | | | | | | | | | | | | | | | | | | |
| 15 | 150 | | | | | | | | | | | | | | | | | | | | | |
| 18 | 180 | | | | | | | | | | | | | | | | | | | | | |
| 22 | 220 | | | | | | | | | | | | | | | | | | | | | |
| 27 | 270 | | | | | | | | | | | | | | | | | | | | | |
| 33 | 330 | | | | | | | | | | | | | | | | | | | | | |
| 39 | 390 | | | | | | | | | | | | | | | | | | | | | |
| 47 | 470 | | | | | | | | | | | | | | | | | | | | | |
| 56 | 560 | | | | | | | | | | | | | | | | | | | | | |
| 68 | 680 | | | | | | | | | | | | | | | | | | | | | |
| 82 | 820 | | | | | | | | | | | | | | | | | | | | | |
| 100 | 101 | | | | | | | | | | | | | | | | | | | | | |
| 120 | 121 | | | | | | | | | | | | | | | | | | | | | |
| 150 | 151 | | | | | | | | | | | | | | | | | | | | | |
| 180 | 181 | | | | | | | | | | | | | | | | | | | | | |
| 220 | 221 | | | | | | | | | | | | | | | | | | | | | |
| 270 | 271 | | | | | | | | | | | | | | | | | | | | | |
| 330 | 331 | | | | | | | | | | | | | | | | | | | | | |
| 390 | 391 | | | | | | | | | | | | | | | | | | | | | |
| 470 | 471 | | | | | | | | | | | | | | | | | | | | | |
| 560 | 561 | | | | | | | | | | | | | | | | | | | | | |
| 680 | 681 | | | | | | | | | | | | | | | | | | | | | |
| 820 | 821 | | | | | | | | | | | | | | | | | | | | | |
| 1000 | 102 | | | | | | | | | | | | | | | | | | | | | |
| 1200 | 122 | | | | | | | | | | | | | | | | | | | | | |
| 1500 | 152 | | | | | | | | | | | | | | | | | | | | | |
| 1800 | 182 | | | | | | | | | | | | | | | | | | | | | |
| 2200 | 222 | | | | | | | | | | | | | | | | | | | | | |
| 2700 | 272 | | | | | | | | | | | | | | | | | | | | | |
| 3300 | 332 | | | | | | | | | | | | | | | | | | | | | |
| 3900 | 392 | | | | | | | | | | | | | | | | | | | | | |
| 4700 | 472 | | | | | | | | | | | | | | | | | | | | | |
| 5600 | 562 | | | | | | | | | | | | | | | | | | | | | |
| 6800 | 682 | | | | | | | | | | | | | | | | | | | | | |
| 8200 | 822 | | | | | | | | | | | | | | | | | | | | | |
| 0.10μF | 103 | | | | | | | | | | | | | | | | | | | | | |
| .012 | 123 | | | | | | | | | | | | | | | | | | | | | |
| .015 | 153 | | | | | | | | | | | | | | | | | | | | | |
| .018 | 183 | | | | | | | | | | | | | | | | | | | | | |
| .022 | 223 | | | | | | | | | | | | | | | | | | | | | |
| .027 | 273 | | | | | | | | | | | | | | | | | | | | | |
| .033 | 333 | | | | | | | | | | | | | | | | | | | | | |
| .039 | 393 | | | | | | | | | | | | | | | | | | | | | |
| .047 | 473 | | | | | | | | | | | | | | | | | | | | | |
| .056 | 563 | | | | | | | | | | | | | | | | | | | | | |
| .068 | 683 | | | | | | | | | | | | | | | | | | | | | |
| .082 | 823 | | | | | | | | | | | | | | | | | | | | | |
| .10 | 104 | | | | | | | | | | | | | | | | | | | | | |
| .12 | 124 | | | | | | | | | | | | | | | | | | | | | |
| .15 | 154 | | | | | | | | | | | | | | | | | | | | | |
| .18 | 184 | | | | | | | | | | | | | | | | | | | | | |
| .22 | 224 | | | | | | | | | | | | | | | | | | | | | |
| .27 | 274 | | | | | | | | | | | | | | | | | | | | | |
| .33 | 334 | | | | | | | | | | | | | | | | | | | | | |
| .39 | 394 | | | | | | | | | | | | | | | | | | | | | |
| .47 | 474 | | | | | | | | | | | | | | | | | | | | | |
| .56 | 564 | | | | | | | | | | | | | | | | | | | | | |
| .68 | 684 | | | | | | | | | | | | | | | | | | | | | |
| .82 | 824 | | | | | | | | | | | | | | | | | | | | | |
| 1.0 | 105 | | | | | | | | | | | | | | | | | | | | | |