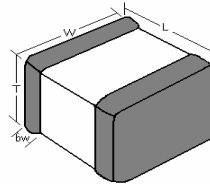


Surface Mount Capacitors: 2220 - X7R/ X5R, High Voltage

2220 SMT Capacitors feature:

- 2220 Case Size
- High Voltage
- X7R and X5R Dielectric Materials



Mechanical Dimensions

Length (L): .220" ± .010"

Width (W): .200" ± .010"

Thickness (T): .160" max

Bandwidth (bw): .040"

Capacitance Value

| Value (pF) | Cap. Code | Max Voltage | Dielectric | Value (pF) | Cap. Code | Max Voltage | Dielectric |
|-----------------|-----------|-------------|------------|-------------------|-----------|-------------|------------|
| 100 | 101 | 3000 VDC | X7R | 33,000 (.033μF) | 333 | 2000 VDC | X7R |
| 150 | 151 | | X7R | 39,000 (.039μF) | 393 | | X7R |
| 220 | 221 | | X7R | 47,000 (.047μF) | 473 | | X7R |
| 330 | 331 | | X7R | 56,000 (.056μF) | 563 | ↓ | X7R |
| 470 | 471 | | X7R | 68,000 (.068μF) | 683 | 1000 VDC | X7R |
| 680 | 681 | | X7R | 82,000 (.082μF) | 823 | | X7R |
| 820 | 821 | | X7R | 100,000 (.10μF) | 104 | | X7R |
| 1000 | 102 | | X7R | 150,000 (.15μF) | 154 | ↓ | X7R |
| 1500 | 152 | | X7R | 220,000 (.22μF) | 224 | 630 VDC | X7R |
| 1800 | 182 | | X7R | 330,000 (.33μF) | 334 | ↓ | X7R |
| 2200 | 222 | | X7R | 470,000 (.47μF) | 474 | 500 VDC | X7R |
| 2700 | 272 | | X7R | 560,000 (.56μF) | 564 | | X7R |
| 3300 | 332 | | X7R | 680,000 (.68μF) | 684 | | X7R |
| 3900 | 392 | | X7R | 1,000,000 (1μF) | 105 | ↓ | X7R |
| 4700 | 472 | ↓ | X7R | 1,500,000 (1.5μF) | 155 | 250 VDC | X7R |
| 5600 | 562 | 2000 VDC | X7R | 2,200,000 (2.2μF) | 225 | ↓ | X7R |
| 6800 | 682 | | X7R | 3,300,000 (3.3μF) | 335 | 100 VDC | X7R |
| 8200 | 822 | | X7R | 4,700,000 (4.7μF) | 475 | | X7R |
| 10,000 (.01μF) | 103 | | X7R | 10μF | 106 | | X7R, X5R |
| 15,000 (.015μF) | 153 | | X7R | 22μF | 226 | ↓ | X7R, X5R |
| 18,000 (.018μF) | 183 | | X7R | 47μF | 476 | 50 VDC | X7R, X5R |
| 22,000 (.022μF) | 223 | | X7R | 100μF | 107 | 25 VDC | X7R, X5R |
| 27,000 (.027μF) | 273 | ↓ | X7R | | | | |

** For Additional Capacitance Values and Working Voltages, Please Contact the Factory **

ORDERING INFORMATION

| Case Size | Dielectric | Capacitance | Tolerance | Voltage | Termination | Packaging | Hi-Reli Testing |
|-----------------------------------|--------------------|---|---------------------------|---|---|-------------------|--|
| 2220 | X | 223 | K | 202 | SN | T | - A |
| Mechanical Dimensions Shown Above | X = X7R B = X5R | First 2 digits are Significant; Third digit indicates # of Zeros. Use "R" for decimal point Examples: 201 = 200pF 226 = 22μF | J ±5% K ±10% M ±20% | First 2 digits are Significant; Third digit indicates number of Zeros Examples: 201 = 200V 151 = 150V 202 = 2000V | S Solder Plated Over Nickel SN Tin over Nickel Plated (RoHS Compliant) G Gold over Nickel Plated (RoHS Compliant) | T = Tape and Reel | (Optional) A = Group A B = Group B C = Group C Tested and Screened |