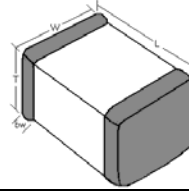


### Mechanical Dimensions

0201 SMT Capacitors feature:

- 0201 Case Size
- Low ESR
- NPO and Hi-Q NPO Dielectric Materials



Length (L): .023" ± .001"

Width (W): .012" ± .001"

Thickness (T): .012" max

Bandwidth (bw): .003" ± .001"

### Capacitance Value

| Value (pF) | Cap. Code | Max Voltage | Dielectric    | Value (pF) | Cap. Code | Max Voltage | Dielectric    |
|------------|-----------|-------------|---------------|------------|-----------|-------------|---------------|
| 0.1        | 0R1       | 50 VDC      | NPO, Hi-Q NPO | 5.1        | 5R1       | 50 VDC      | NPO, Hi-Q NPO |
| 0.2        | 0R2       |             | NPO, Hi-Q NPO | 5.6        | 5R6       |             | NPO, Hi-Q NPO |
| 0.3        | 0R3       |             | NPO, Hi-Q NPO | 6.8        | 6R8       |             | NPO, Hi-Q NPO |
| 0.4        | 0R4       |             | NPO, Hi-Q NPO | 8.2        | 8R2       |             | NPO, Hi-Q NPO |
| 0.5        | 0R5       |             | NPO, Hi-Q NPO | 9.1        | 9R1       |             | NPO, Hi-Q NPO |
| 0.6        | 0R6       |             | NPO, Hi-Q NPO | 10         | 100       |             | NPO, Hi-Q NPO |
| 0.7        | 0R7       |             | NPO, Hi-Q NPO | 12         | 120       |             | NPO           |
| 0.8        | 0R8       |             | NPO, Hi-Q NPO | 15         | 150       |             | NPO           |
| 0.9        | 0R9       |             | NPO, Hi-Q NPO | 18         | 180       |             | NPO           |
| 1.0        | 1R0       |             | NPO, Hi-Q NPO | 22         | 220       |             | NPO           |
| 1.2        | 1R2       |             | NPO, Hi-Q NPO | 27         | 270       |             | NPO           |
| 1.5        | 1R5       |             | NPO, Hi-Q NPO | 33         | 330       |             | NPO           |
| 1.8        | 1R8       |             | NPO, Hi-Q NPO | 39         | 390       |             | NPO           |
| 2.0        | 2R0       |             | NPO, Hi-Q NPO | 47         | 470       |             | NPO           |
| 2.2        | 2R2       |             | NPO, Hi-Q NPO | 56         | 560       |             | NPO           |
| 2.4        | 2R4       |             | NPO, Hi-Q NPO | 62         | 620       |             | NPO           |
| 2.7        | 2R7       |             | NPO, Hi-Q NPO | 68         | 680       |             | NPO           |
| 3.0        | 3R0       |             | NPO, Hi-Q NPO | 75         | 750       |             | NPO           |
| 3.3        | 3R3       |             | NPO, Hi-Q NPO | 82         | 820       |             | NPO           |
| 3.9        | 3R9       |             | NPO, Hi-Q NPO | 91         | 910       |             | NPO           |
| 4.7        | 4R7       |             | NPO, Hi-Q NPO | 100        | 101       |             | NPO           |

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

### ORDERING INFORMATION

| Case Size                         | Dielectric              | Capacitance  | Tolerance   | Voltage   | Termination   | Packaging                            | Hi-Reli Testing  |
|-----------------------------------|-------------------------|--|---|---|---|--------------------------------------|--|
| 0201                              | G                       | 100  | J   | 500   | SN  | T                                    | - A  |
| Mechanical Dimensions Shown Above | G = NPO<br>U = Hi-Q NPO | First 2 digits are Significant; Third digit indicates # of Zeros. Use "R" for decimal point<br>Examples:<br>201 = 200pF<br>2R2 = 2.2pF | P ± 0.03pF<br>A ± 0.05pF<br>B ± 0.1pF<br>C ± 0.25pF<br>D ± 0.5pF<br>F ± 1%<br>G ± 2%<br>J ± 5%<br>K ± 10% | First 2 digits are Significant; Third digit indicates number of Zeros<br>Examples:<br>201 = 200V<br>151 = 150V<br>500 = 50V | S Solder Plated Over Nickel<br>SN Tin over Nickel Plated (RoHS Compliant)<br>G Gold over Nickel Plated (RoHS Compliant) | T = Tape and Reel<br>W = Waffle Pack | (Optional)<br>A = Group A<br>B = Group B<br>C = Group C<br>Tested and Screened |