

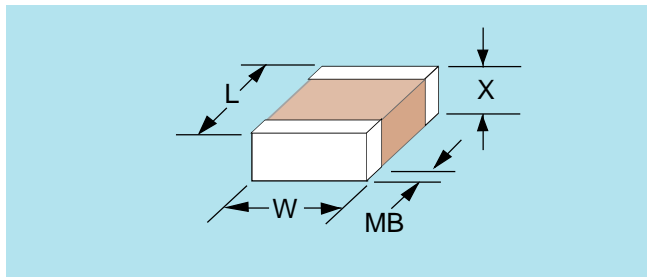
1. SCOPE

This specification covers the characteristics of size 0201, Base Metal C0G dielectric, 4.7 pF capacitance, +/- 0.25 pF tolerance, 50 VDC rated ceramic chip capacitors with nickel barrier gold (flash) finish termination.

2. DIELECTRIC CHARACTERISTICS - C0G (BN)

| | |
|----------------------------------|------------------------------------|
| Operating Temperature Range: | -55°C to +125°C |
| Temperature Coefficient: | 0 +/- 30 ppm/°C |
| Dissipation Factor: | 0.1% Max. @ 25°C |
| Insulation Resistance, 25°C: | >10 Giga-Ohms |
| Dielectric Withstanding Voltage: | 125 VDC |
| Aging Rate: | 0% per decade |
| Test Parameters: | 1MHz, 1.0 Volts +/- 0.2 Vrms, 25°C |

3. PHYSICAL DIMENSIONS (NOT SCALED)



| Dimensions | L | W | X | MB |
|-------------|--------------|--------------|-------------|-------------|
| Inches (mm) | .0235 (0.6) | .0118 (0.3) | .013 (0.33) | .006 (0.15) |
| +/- in (mm) | .0015 (0.03) | .0012 (0.03) | Max | .002 (0.05) |

4. PART NUMBER DESCRIPTION

0201 BN 4R7 C 500 NG T

| | |
|------|--|
| 0201 | = Size |
| BN | = C0G Dielectric (Base Metal Electrodes) |
| 4R7 | = Capacitance Code (pF): R denotes decimal (4R7 = 4.7 pF) |
| C | = Capacitance tolerance: C = +/- 0.25 pF |
| 500 | = DC Voltage Rating: First two digits are significant, third digit denotes number of zeros |
| NG | = Termination: Nickel Barrier with Gold flash finish |
| T | = Packaging: Tape and Reel |

REVISION: A

NOVACAP P/N: 0201BN4R7C500NGT
 CUSTOMER:
 CUST. P/N:

SPEC DESIGNER MK 5/25/17
 SPEC MANAGER MK FOR BN 5/25/17
 ENGINEERING MK FOR BN 5/25/17