

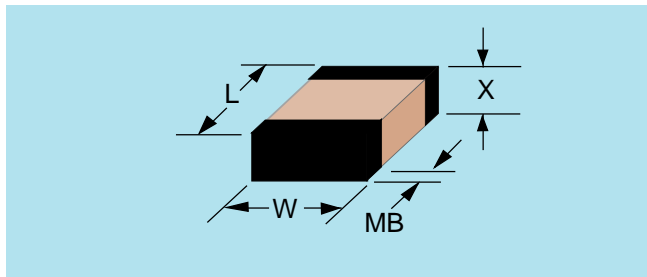
**1. SCOPE**

This specification covers the characteristics of size 0201, Base Metal COG dielectric, 1.0 pF capacitance, +/- 0.25 pF tolerance, 50 VDC rated ceramic chip capacitors with nickel barrier gold (flash) finish termination.

**2. DIELECTRIC CHARACTERISTICS - COG (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
+/- in (mm)	.0015 (0.03)	.0012 (0.03)	Max	.002 (0.05)

**4. PART NUMBER DESCRIPTION**

**0201 BN 1R0 C 500 NG T**

0201 = Size  
 BN = COG Dielectric (Base Metal Electrodes)  
 1R0 = Capacitance Code (pF): R denotes decimal (1R0 = 1.0 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: 0201BN1R0C500NGT  
 CUSTOMER:  
 CUST. P/N:

SPEC DESIGNER \_\_\_\_\_  
 SPEC MANAGER \_\_\_\_\_  
 ENGINEERING \_\_\_\_\_