

SPECIFICATION

1. SCOPE

This specification covers the characteristics of size 0201, Base Metal COG dielectric, 10 pF capacitance, +/- 5% tolerance, 50 VDC rated ceramic chip capacitors with nickel barrier (90% tin/10% lead) termination.

2. DIELECTRIC CHARACTERISTICS - COG (BN)

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

3. PHYSICAL DIMENSIONS (NOT SCALED)



	.0200 (0.0)	.0110 (0.3)	.013 (0.33)	.000 (0.13)
+/- in (mm)	.0015 (0.03)	.0012 (0.03)	Max	.002 (0.05)

4. PART NUMBER DESCRIPTION

0201 BN 100 J 500 Y T

- 0201 = Size
- BN = COG Dielectric (Base Metal Electrodes)
- 100 = Capacitance Code (pF): First two digits are significant, third digit denotes number of zeros
- J = Capacitance tolerance: J = +/-5%
- 500 = DC Voltage Rating: First two digits are significant, third digit denotes number of zeros
- Y = Termination: Nickel Barrier with 90% Tin / 10% Lead
- T = Packaging: Tape and Reel

	REVISION. A
NOVACAP P/N: 0201BN100J500YT CUSTOMER: CUST. P/N:	SPEC DESIGNERMK 5/25/17SPEC MANAGERMK FOR BN 5/25/17ENGINEERINGMK FOR BN 5/25/17