

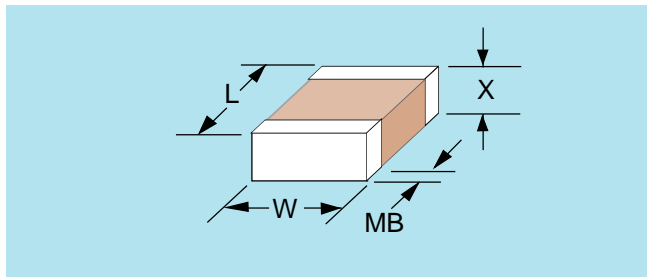
## 1. SCOPE

This specification covers the characteristics of size 0201, Base Metal COG dielectric, 18 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:	-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 180 J 500 Y T

0201	= Size
BN	= COG Dielectric (Base Metal Electrodes)
180	= 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: 0201BN180J500YT  
 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