

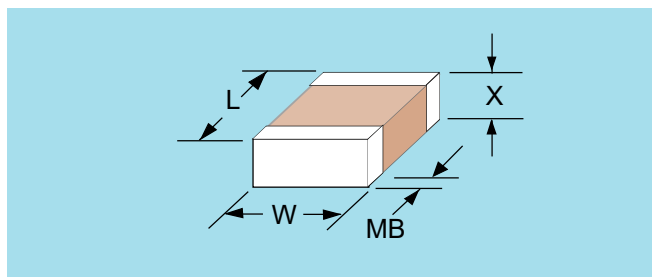
### 1. SCOPE

This specification covers the characteristics of size 1808, COG/NP0 dielectric, 3.3 nF capacitance, +/- 5% tolerance, 600 VDC rated ceramic chip capacitors with nickel barrier (100% tin) termination.

### 2. DIELECTRIC CHARACTERISTICS - COG/NP0

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:	100 Giga-Ohms or 1000 Ohm-Farads, whichever is less
Insulation Resistance, 125°C:	10 Giga-Ohms or 100 Ohm-Farads, whichever is less
Dielectric Withstanding Voltage:	750 VDC
Aging Rate:	0% per decade
Test Parameters:	1KHz, 1.0 Volts +/- 0.2 Vrms, 25°C

### 3. PHYSICAL DIMENSIONS ( NOT TO SCALE )



Dimensions	L	W	X	MB
Inches (mm)	.180 (4.57)	.080 (2.03)	.080 (2.03)	.024 (.610)
+/- in (mm)	.012 (.305)	.008 (.203)	Max	.014 (.356)

### 4. PART NUMBER DESCRIPTION

#### 1808 N 332 J 601 N X080 T

1808	= Size
N	= COG/NP0 Dielectric
332	= Capacitance Code (pF): First two digits are significant, third digit denotes number of zeros
J	= Capacitance tolerance: J = +/- 5%
601	= DC Voltage Rating: First two digits are significant, third digit denotes number of zeros
N	= Termination: Nickel Barrier, 100% Tin overcoat
X080	= Special Thickness: .080" Max. (2.03mm Max.)
T	= Packaging: Tape and Reel

REVISION: A

NOVACAP P/N: 1808N332J601NX080T  
 CUSTOMER: RFMW  
 CUST. P/N:

SPEC DESIGNER MK 7/11/2019  
 SPEC MANAGER BN 7/11/2019  
 ENGINEERING BN 7/11/2019