

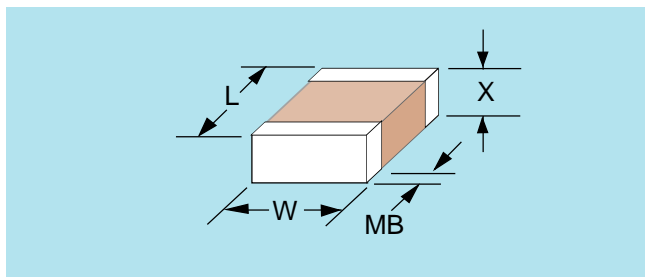
1. SCOPE

This specification covers the characteristics of size 0201, Base Metal X5R dielectric, 0.1 uF capacitance, +/- 10% tolerance, 10 VDC rated ceramic chip capacitors with nickel barrier gold (flash) finish termination.

2. DIELECTRIC CHARACTERISTICS - X5R (BW)

| | |
|----------------------------------|--|
| Operating Temperature Range: | -55°C to +85°C |
| Temperature Coefficient: | +/- 15% Change in capacitance @ 1 Vrms |
| Dissipation Factor: | 10% Max. @ 25°C |
| Insulation Resistance, 25°C: | >10 Giga-Ohms |
| Dielectric Withstanding Voltage: | 25 VDC |
| Aging Rate: | 5% Typical |
| Test Parameters: | 1KHz, 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 BW 104 K 100 NG T

| | |
|------|--|
| 0201 | = Size |
| BW | = X5R Dielectric (Base Metal Electrodes) |
| 104 | = Capacitance Code (pF): First two digits are significant, third digit denotes number of zeros |
| K | = Capacitance tolerance: K = +/- 10% |
| 100 | = 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: 0201BW104K100NGT
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