

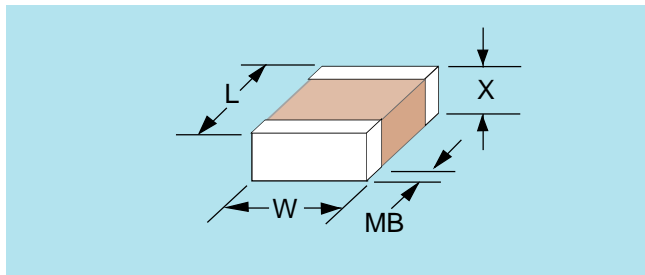
1. SCOPE

This specification covers the characteristics of size 0201, Base Metal X7R dielectric, 10.0 nF capacitance, +/- 10% tolerance, 16 VDC rated ceramic chip capacitors with nickel barrier tin/lead finish (4% minimum lead) termination.

2. DIELECTRIC CHARACTERISTICS - X7R (BB)

| | |
|----------------------------------|----------------------------------------|
| Operating Temperature Range: | -55°C to +125°C |
| Temperature Coefficient: | +/- 15% Change in capacitance @ 1 Vrms |
| Dissipation Factor: | 5.0% Max. @ 25°C |
| Insulation Resistance, 25°C: | >10 Giga-Ohms |
| Dielectric Withstanding Voltage: | 40 VDC |
| Aging Rate: | 3.5% 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 BB 103 K 160 Y T

| | |
|------|------------------------------------------------------------------------------------------------|
| 0201 | = Size |
| BB | = X7R Dielectric (Base Metal Electrodes) |
| 103 | = Capacitance Code (pF): First two digits are significant, third digit denotes number of zeros |
| K | = Capacitance tolerance: K = +/- 10% |
| 160 | = DC Voltage Rating: First two digits are significant, third digit denotes number of zeros |
| Y | = Termination: Nickel Barrier with Tin/Lead (4% minimum lead) finish |
| T | = Packaging: Tape and Reel |

REVISION: A

NOVACAP P/N: 0201BB103K160YT
 CUSTOMER:
 CUST. P/N:

SPEC DESIGNER MK 5/22/2017
 SPEC MANAGER BN 5/22/2017
 ENGINEERING BN 5/22/2017