

## 1. SCOPE

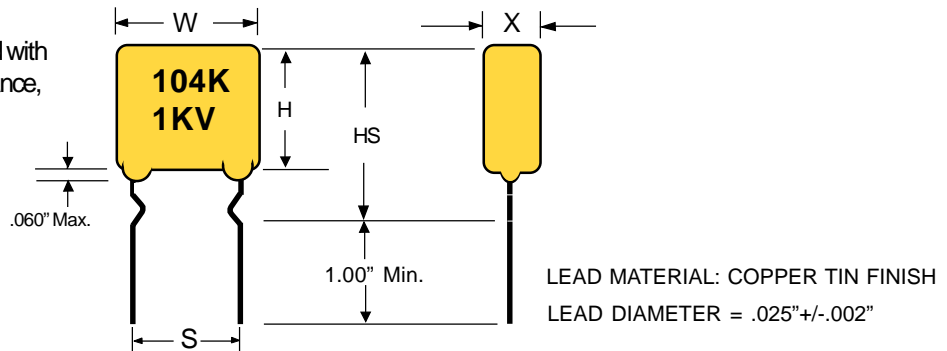
This specification covers the characteristics of size 2225, X7R dielectric, 100 nF capacitance, +/- 10% tolerance, 1000 VDC rated radial leaded (lead style "LB") ceramic chip capacitors with conformal coating.

## 2. DIELECTRIC CHARACTERISTICS - X7R

Operating Temperature Range:	-55°C to +125°C
Temperature Coefficient:	+/- 15% Change in capacitance @ 1 Vrms
Dissipation Factor:	2.5% 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:	1200 VDC
Aging Rate:	< 2.0% per decade
Test Parameters:	1KHz, 1.0 Volts +/- 0.2 Vrms, 25°C

## 3. PHYSICAL DIMENSIONS ( NOT SCALED )

Marking: Parts marked with capacitance code, tolerance, and voltage.



dimensions	W	H	X	S	HS
inches (mm)	.350 (8.89)	.350 (8.89)	.250 (6.35)	.200 (5.08)	.500 (12.7)
+/- in (mm)	Max	Max	Max	.020 (.508)	Max

## 4. PART NUMBER DESCRIPTION

### 2225 B 104 K 102 LB R

2225	= Size
B	= X7R Dielectric
104	= Capacitance Code (pF): First two digits are significant, third digit denotes number of zeros
K	= Capacitance tolerance: K = +/- 10%
102	= DC Voltage Rating: First two digits are significant, third digit denotes number of zeros
LB	= Radial Leads (Style "LB") with Conformal Coat on chip
R	= RoHS (e3) Compliant Leads

REVISION: A

NOVACAP P/N: 2225B104K102LBR  
CUSTOMER: ION  
CUST. P/N:

SPEC DESIGNER: MK 12/3/2018  
SPEC MANAGER: BN 12/3/2018  
ENGINEERING: BN 12/3/2018