

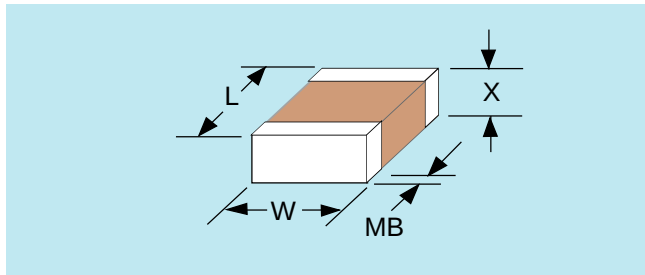
1. SCOPE

This specification covers the characteristics of size 0603, X7R dielectric (Non-Magnetic), 5.6 nF capacitance, +/- 5% tolerance, 200 VDC rated ceramic chip capacitors with palladium silver (Lead Free, RoHS compliant) termination.

2. DIELECTRIC CHARACTERISTICS

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:	500 VDC
Aging Rate:	<2.0% 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)	.060 (1.52)	.030 (.762)	.021 (.533)	.014 (.356)
+/- in (mm)	.006 (.152)	.006 (.152)	Max	.006 (.152)

4. PART NUMBER DESCRIPTION

0603 C 562 J 201 PR H T -HB

0603	= Size
C	= X7R Dielectric (Non-Magnetic)
562	= Capacitance Code (pF): First two digits are significant, third digit denotes number of zeros
J	= Capacitance tolerance: J = +/- 5%
201	= DC Voltage Rating: First two digits are significant, third digit denotes number of zeros
PR	= Termination: Palladium Silver (Lead Free, RoHS Compliant)
H	= High Reliability Testing
T	= Packaging: Tape & Reel
-HB	= MIL-PRF-55681 Group A Testing

NOVACAP P/N: **0603C562J201PRHT-HB**
 CUSTOMER:
 CUST. P/N:

SPEC DESIGNER MK 4/27/16
 SPEC MANAGER MW 8/7/24
 ENGINEERING MW 8/7/24