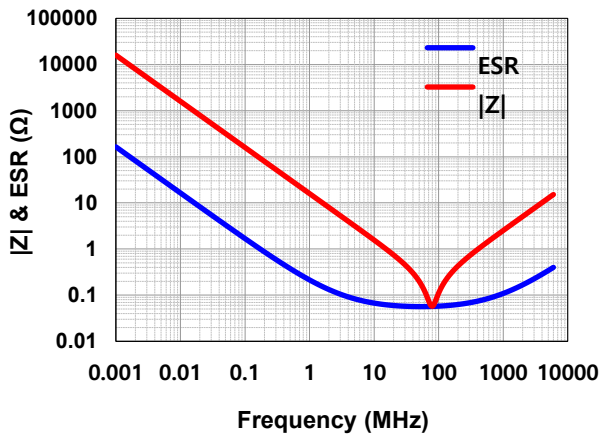


# Electrical Characteristics Data

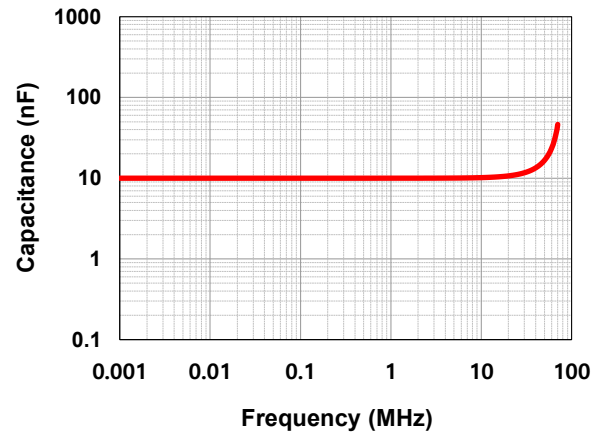
## Multi-layer Ceramic Capacitor

- ◆ Spec. Code : CQ1005X7R103K500NR
- ◆ Description : 0402(inch base) / 1005(mm base), X7R, 10nF, +/-10%, 50V
- ◆ Electrical Characteristics Data

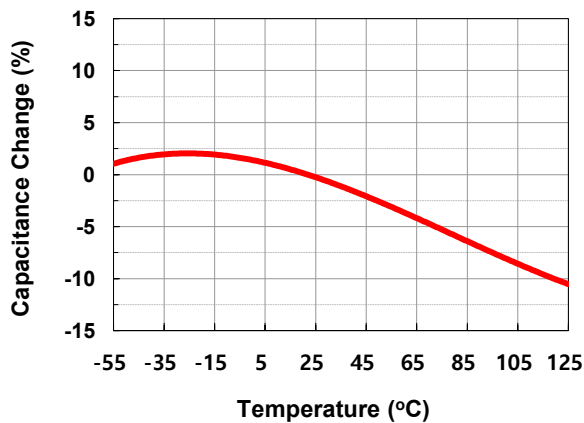
- Impedance(|Z|) and ESR with Frequency



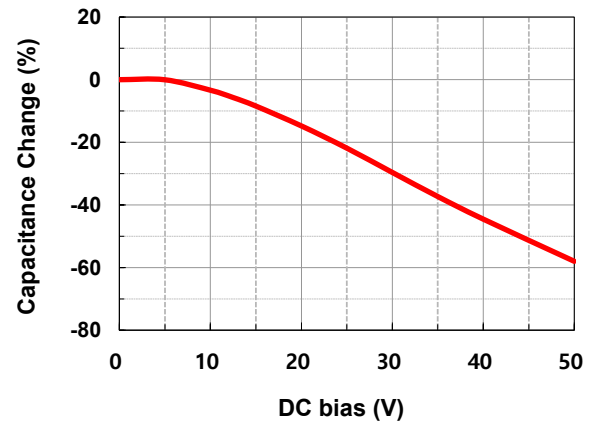
- Apparent Capacitance with Frequency



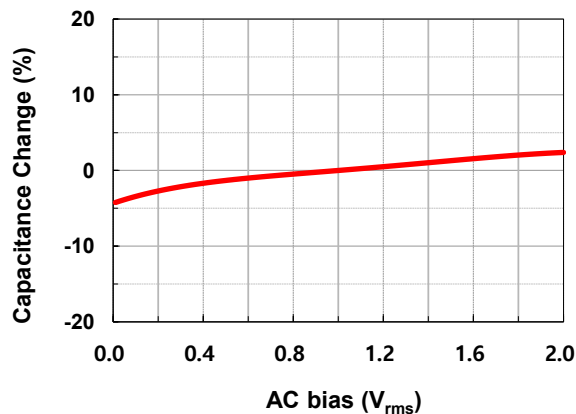
- Capacitance Change with Temperature



- Capacitance Change with DC bias



- Capacitance Change with AC bias



※ Data is for reference only and may be subject to change without notice due to reasons such as upgrades.  
In addition, there is a possibility of difference depends on the measurement environment