

# Multi Layer Ceramic Capacitor (MLCC)

1. Model : CL05B181KB5NNNC

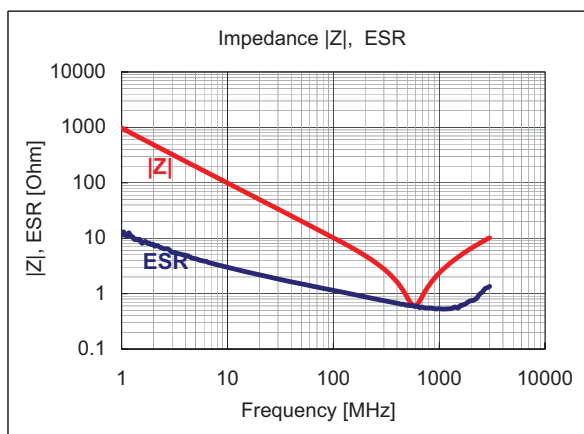
2. Description

| Part no.        | Size (inch(mm)) | Thickness (mm) | Temperature characteristics | Capacitance value | Capacitance tolerance(%) | Voltage (V) |
|-----------------|-----------------|----------------|-----------------------------|-------------------|--------------------------|-------------|
| CL05B181KB5NNNC | 0402/1005       | 0.5mm          | X7R                         | 180pF             | ± 10 %                   | 50          |

3. Characteristics data

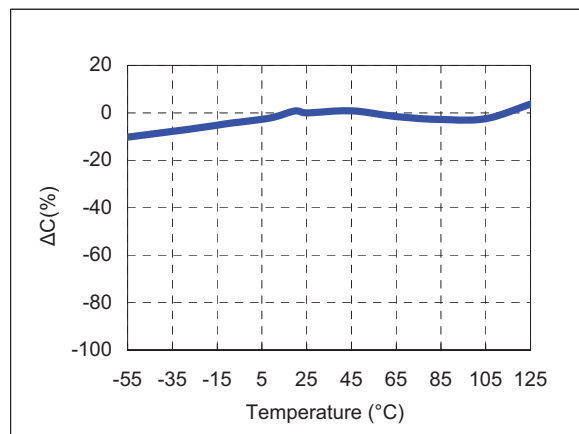
1) Frequency characteristics

Agilent E4991A, 0.5Vrms, 1MHz to 3GHz

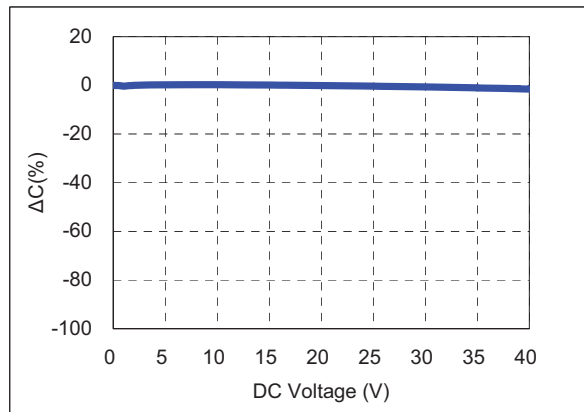


2) Temperature characteristics of capacitance(TCC)

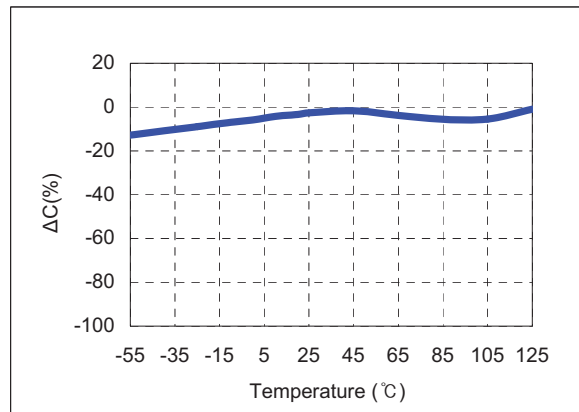
Agilent 4284A, 1kHz, 1Vrms



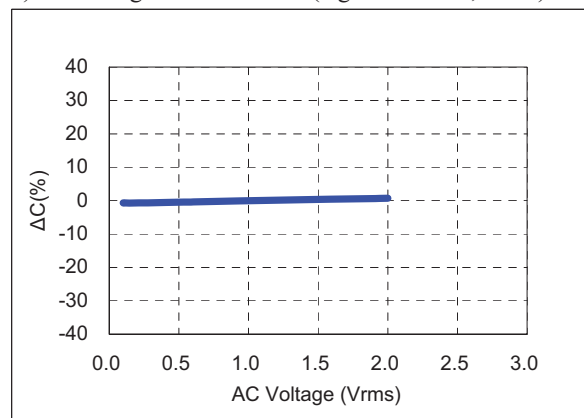
3) DC Bias characteristics (Agilent 4284A, 1kHz, 1Vrms)



4) Bias TCC characteristics (Agilent 4284A, 1kHz, 1Vrms, 25Vdc)



5) AC voltage characteristics (Agilent 4284A, 1kHz)



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The data sheets include the typical data for design reference only. If there is any question regarding the data sheets, please contact our sales personnel or application engineers