

# Multi Layer Ceramic Capacitor (MLCC)

1. Model : CL10A106MQ8NNNC

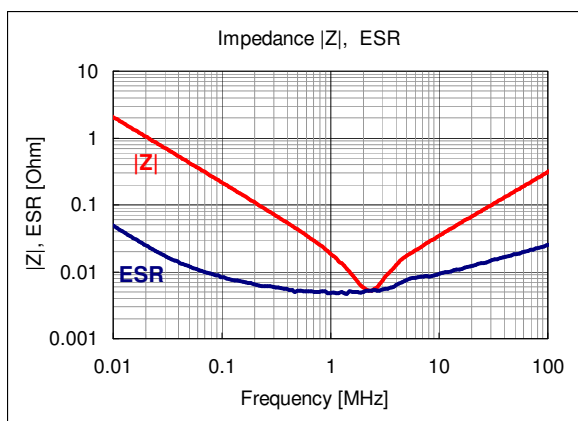
2. Description

| Part no.        | Size<br>(inch(mm)) | Thickness<br>(mm) | Temperature<br>characteristics | Capacitance<br>value(uF) | Capacitance<br>tolerance(%) | Voltage<br>(V) |
|-----------------|--------------------|-------------------|--------------------------------|--------------------------|-----------------------------|----------------|
| CL10A106MQ8NNNC | 0603/1608          | 0.8mm             | X5R                            | 10uF                     | ± 20 %                      | 6.3            |

3. Characteristics data

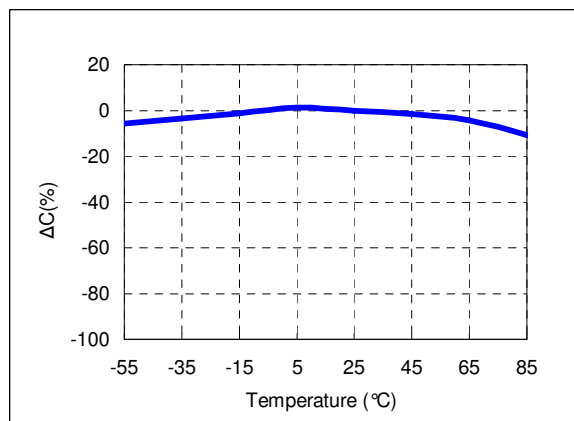
1) Frequency characteristics

Agilent E4294A, 0.5Vrms, 1kHz to 100MHz

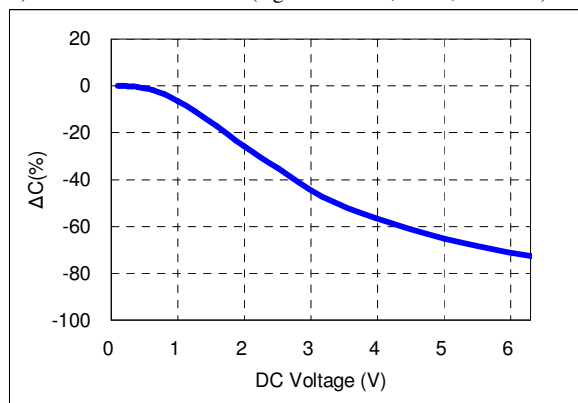


2) Temperature characteristics of capacitance(TCC)

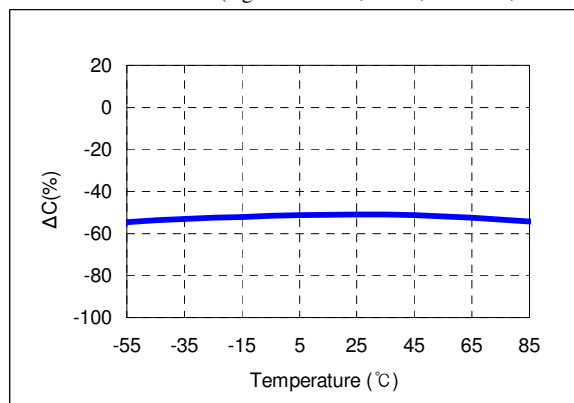
Agilent 4284A, 1kHz, 0.5Vrms



3) DC Bias characteristics (Agilent 4284A, 1kHz, 0.5Vrms)



4) Bias TCC characteristics (Agilent 4284A, 1kHz, 0.5Vrms, 3.15Vdc)



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

