



# THE DATASHEET OF CL31B105KBHNNNE

# Multi Layer Ceramic Capacitor (MLCC)

1. Model : CL31B105KBHNNNE

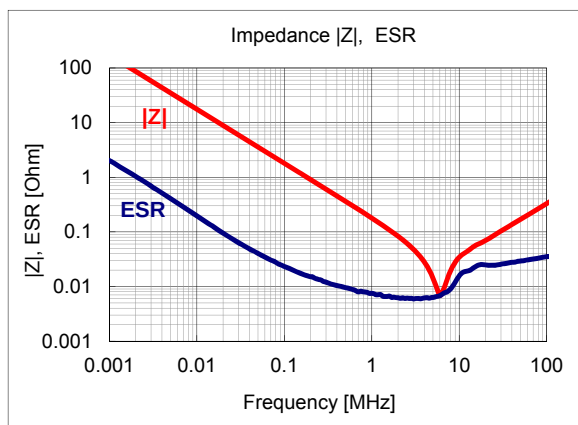
2. Description

| Part no.        | Size (inch(mm)) | Thickness (mm) | Temperature characteristics | Capacitance value | Capacitance tolerance(%) | Voltage (V) |
|-----------------|-----------------|----------------|-----------------------------|-------------------|--------------------------|-------------|
| CL31B105KBHNNNE | 1206/3216       | 1.6mm          | X7R                         | 1uF               | ± 10 %                   | 50          |

3. Characteristics data

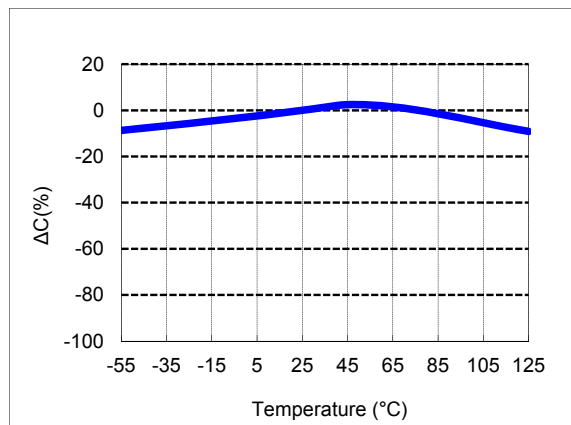
1) Frequency characteristics

Agilent E4294A, 0.5Vrms, 1kHz to 100MHz

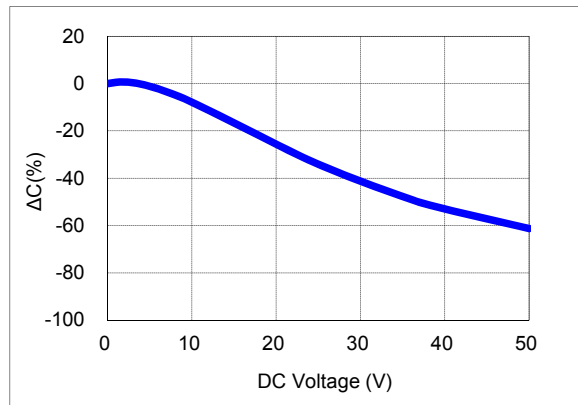


2) Temperature characteristics of capacitance(TCC)

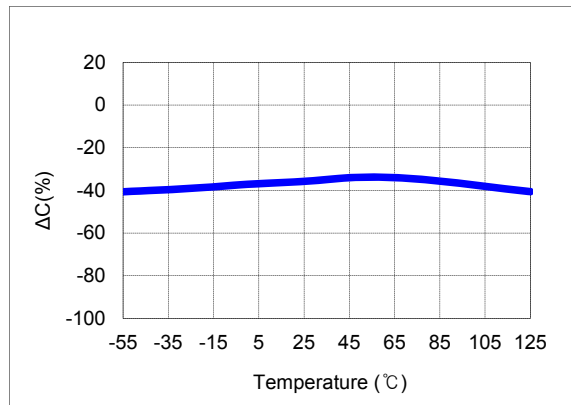
Agilent 4284A, 1kHz, 1Vrms



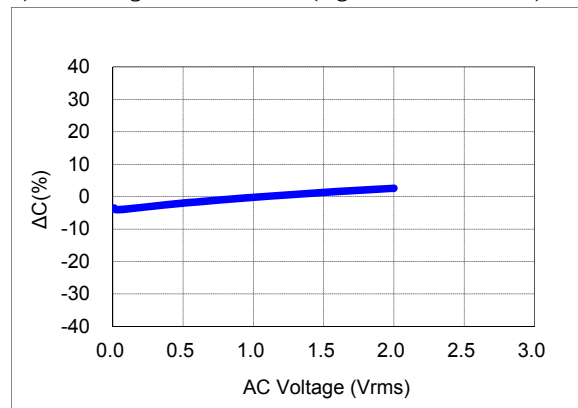
3) DC Bias characteristics (Quadtech 7600, 1kHz, 1Vrms)



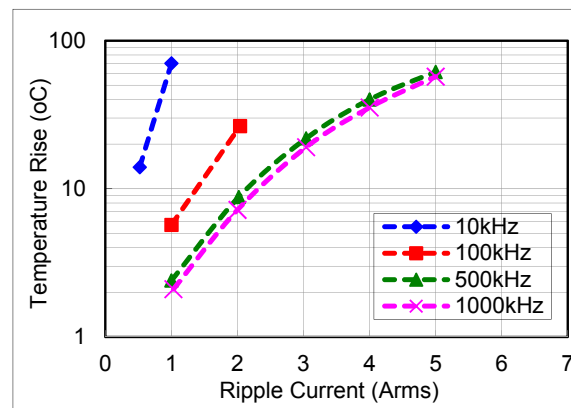
4) Bias TCC characteristics (Agilent 4284A, 1kHz, 1Vrms, 25Vdc)



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



6) Ripple Current



Any data in this sheet are subject to change, modify or discontinue without notice.

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.

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