SAMSUNG ELECTRO-MECHANICS

# Multi Layer Ceramic Capacitor (MLCC)

RoHS+Halogen Compliant ecoparts

1. Model : CL31X476KQHNNNE

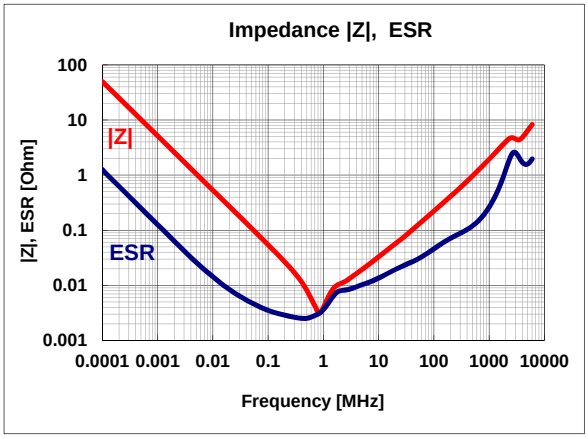
2. Description

| Part no. | Size (inch(mm)) | Thickness (mm) | Temperature charateristics | Capacitance value | Capacitance tolerance(%) | Voltage (V) |
|---|---|---|---|---|---|---|
| CL31X476KQHNNNE | 1206/3216 | 1.6mm | X6S | 47uF | ± 10 % | 6.3 |

3. Characteristics data

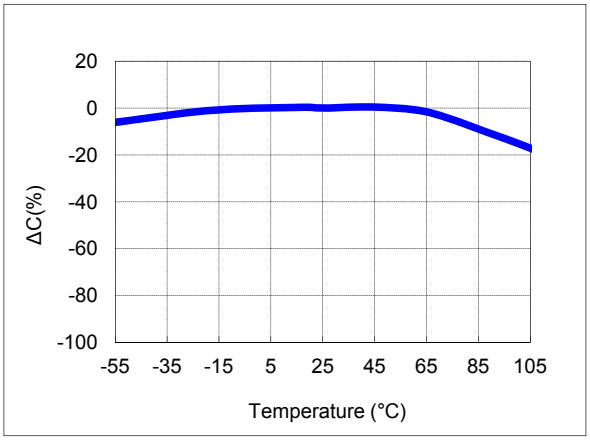
1) Frequency characteristics

Network Analyzer 8753E, 100Hz to 6GHz

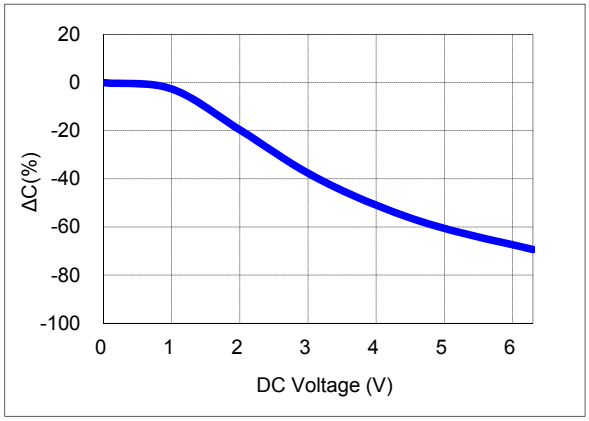



2) Temperature characteristics of capacitance(TCC)

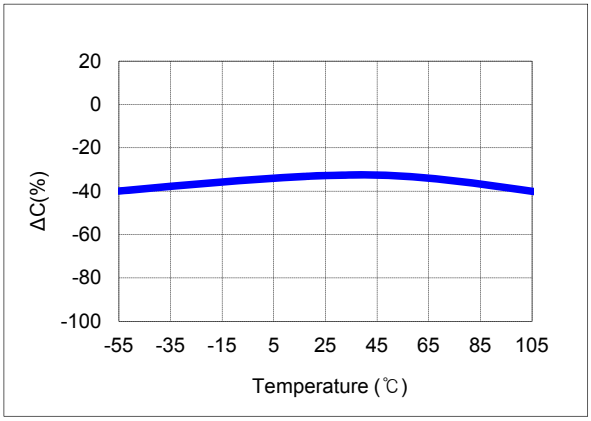
Agilent 4284A, 120Hz, 0.5Vrms



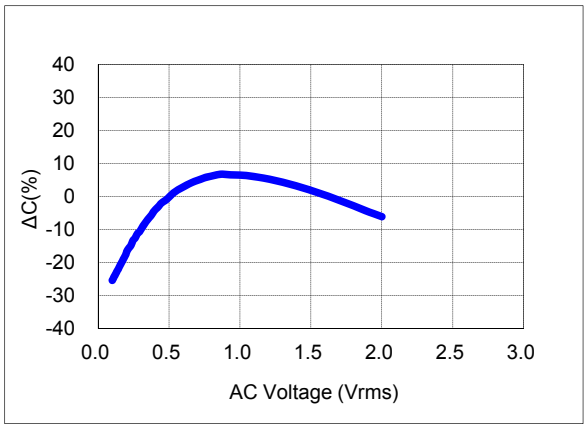

3) DC Bias characteristics (Agilent 4284A, 120Hz, 0.5Vrms)



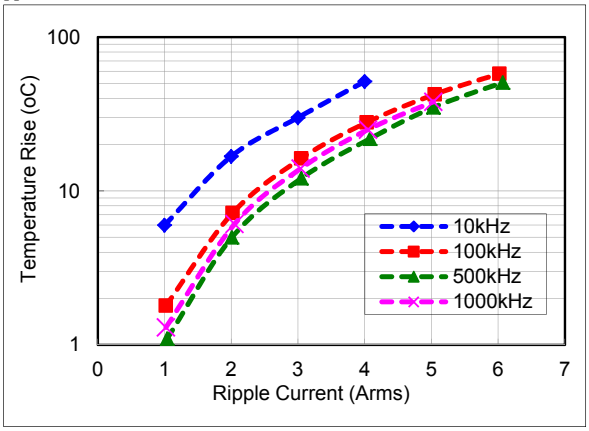

4) Bias TCC characteristics (Agilent 4284A, 120Hz, 0.5Vrms, 3.15Vdc)




5) AC voltage characteristics (Agilent 4284A, 120Hz)




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.