| | Performance | Test condition |
|---|---|---|
| **Vibration Test** | Capacitance change :<br>within ±2.5% or ±0.25pF whichever is larger<br>Tan δ, IR : initial spec. | Amplitude : 1.5mm<br>From 10Hz to 55Hz (return : 1min.)<br>2hours × 3 direction (x, y, z) |
| **Moisture Resistance** | Capacitance change :<br>within ±7.5% or ±0.75pF whichever is larger<br>Q : 200 min<br>IR : 500Mohm or 25Mohm · μF<br>Whichever is Smaller | With rated voltage<br>40±2℃, 90~95%RH, 500+12/-0hrs |
| **High Temperature Resistance** | Capacitance change :<br>within ±3% or ±0.3pF whichever is larger<br>Q : 350 min<br>IR : 1000Mohm or 50Mohm · μF<br>Whichever is Smaller | With 200% of the rated voltage<br>Max. operating temperature<br>1000+48/-0hrs |
| **Temperature Cycling** | Capacitance change :<br>within ±2.5% or ±0.25pF whichever is larger<br>Tan δ, IR : initial spec. | 1 cycle condition<br>Min. operating temperatur → 25℃<br>→ Max. operating temperature → 25℃<br><br>5 cycle test |

**C. Recommended Soldering method :**

Reflow ( Reflow Peak Temperature : 260+0/-5℃, 10sec. Max )

* For the more detail Specification, Please refer to the Samsung MLCC catalogue.