



Supertech Electronic Co., Ltd.

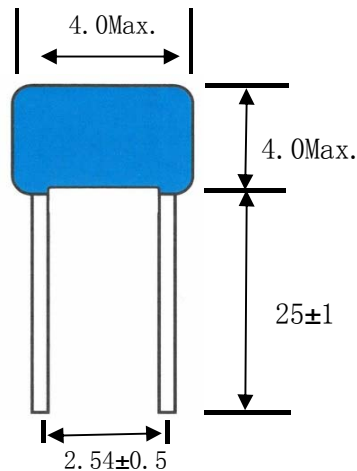
Specification for Approval

Product: Multilayer Ceramic Capacitor

Part No.: RD15W105K1HL2L

Description: Radial, 1UF 50V X7R ±10% P=2.54mm BULK

Dimension: mm



Specification:

Operating Temperature Range: **-55 °C ~ +125 °C**

Temperature Coefficient: **±15%**

Capacitance: **Within the specified tolerance, ±10%.**

Rated Working Voltage: **50V**

Dielectric Strength: **250% of rated voltage for 5 Sec. With 50mA Max.**

Insulation resistance(IR) at 25°C: **More than 10GΩ or 500MΩ · μF whichever is smaller.**

Dissipation Factor at 25°C 1KHz, 1Vrms: **2.5% Max.**

Life Test : 1000 hours at Max. temperature with 200% rated voltage:

Change of Capacitance: **≤±10%.**

Dissipation Factor: **≤150% of initial**

Insulation Resistance: **≥25% of initial**

Humidity Test: 500 hours, at 40±2 degree C, 90~95%RH

Change of Capacitance: **≤±10%.**

Dissipation Factor: **≤150% of initial**

Insulation Resistance: **≥25% of initial**

Capacitance Ageing: **1.5% / decade hour**

APPROVED BY

Sally Hsu

