



# Supertech Electronic Co., Ltd.

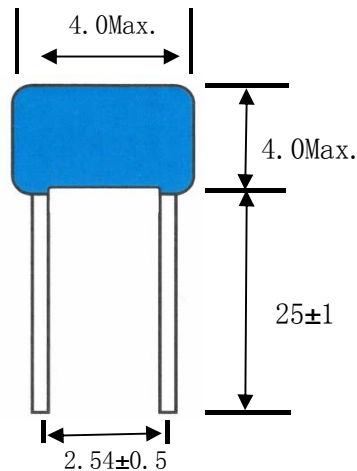
## Specification for Approval

**Product:** Multilayer Ceramic Capacitor

**Part No.:** RD15W334K1HL2L

**Description:** Radial, 0.33UF 50V X7R  $\pm 10\%$  P=2.54mm BULK

Dimension: mm



### Specification:

Operating Temperature Range:  $-55\text{ }^{\circ}\text{C} \sim +125\text{ }^{\circ}\text{C}$

Temperature Coefficient:  $\pm 15\%$

Capacitance: Within the specified tolerance,  $\pm 10\%$ .

Rated Working Voltage: 50V

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

Insulation resistance(IR) at  $25^{\circ}\text{C}$ : More than  $10\text{G}\Omega$  or  $500\text{M}\Omega \cdot \mu\text{F}$  whichever is smaller.

Dissipation Factor at  $25^{\circ}\text{C}$  1KHz, 1Vrms: 2.5% Max.

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

Change of Capacitance:  $\leq \pm 10\%$ .

Dissipation Factor:  $\leq 150\%$  of initial

Insulation Resistance:  $\geq 25\%$  of initial

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

Change of Capacitance:  $\leq \pm 10\%$ .

Dissipation Factor:  $\leq 150\%$  of initial

Insulation Resistance:  $\geq 25\%$  of initial

Capacitance Ageing: 1.5% / decade hour

APPROVED BY

*Sally Hsu*

