



Supertech Electronic Co., Ltd.

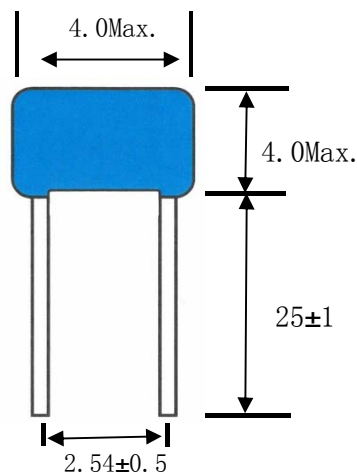
Specification for Approval

Product: Multilayer Ceramic Capacitor

Part No.: RD15W104K1HL2L

Description: Radial, 0.1UF 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°C : More than $10\text{G}\Omega$ or $500\text{M}\Omega \cdot \mu\text{F}$ 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: $\leq \pm 10\%$.

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

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

Humidity Test: 500 hours, at 40 ± 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

