

Multilayer Ceramic Dipped Radial K10 Capacitors

INTERNAL CONSTRUCTION

Multilayer ceramic capacitors consist of electrodes, the interleaved ceramic dielectric and the external terminal connectors. The capacitance is given by the description:

$$C = \frac{A \times n \times \epsilon_0 \times \epsilon_r}{d}$$

A = Electrode area

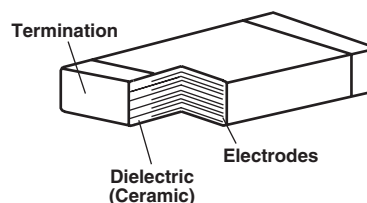
n = Number of active layers

d = Distance between electrodes

ϵ_r = Dielectric relative

ϵ_0 = Dielectric constant

Whilst the values “A x n” and “d” are respectively determined by the production process, the dielectric constant is a function of the ceramic material used.



LEAD CONFIGURATION

Base material: FeCu

Plating: Electrolytic, tinned

COMPONENT OUTLINES

