

# Multilayer Ceramic Capacitor

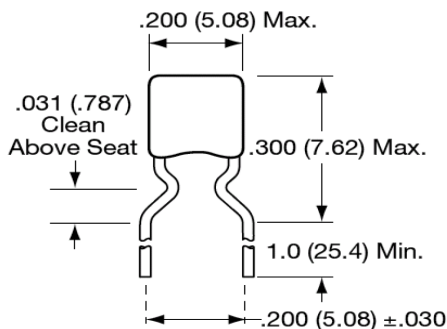
RoHS  
Compliant



## General Specifications

Dielectric	: X7R
Temperature Range	: -55°C to +125°C
Temp. Characteristic	: ±15% (0 V DC)
Dielectric Strength	: 250% of rated V DC
Voltage	: 50V DC
Capacitance	: 47,000 pF
Tolerance	: 10%
D.F.	: 2.5% Max at 1kHz 1Vrms Max.
I.R.	: 21,276MΩ - μF
Life Test (1000 h)	: 200% rated voltage at +125°C

## Capacitor Dimensions

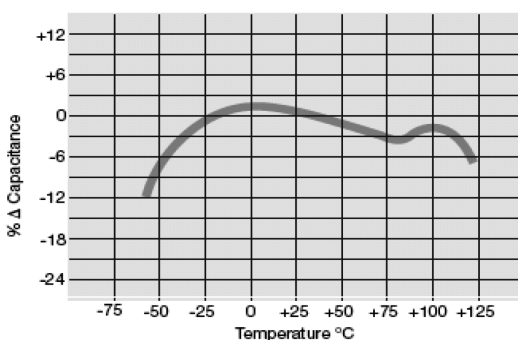


Dimensions : Inches (Millimetres)

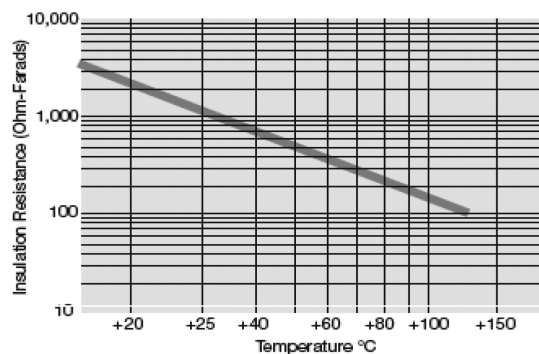
Dimensions	Inches (Millimetres)
Width (W)	0.2 (5.08) Max
Height (H)	0.3 (7.62) Max
Thickness (T)	0.125 (3.17) Max
Lead Spacing (LS)	0.2 ±0.03 (5.08 ±0.76)
Lead Diameter (LD)	0.02 (0.508) AGW#24
Lead Length (LL)	1 (25.4) Min.

## Typical Characteristics

### Temperature Coefficient

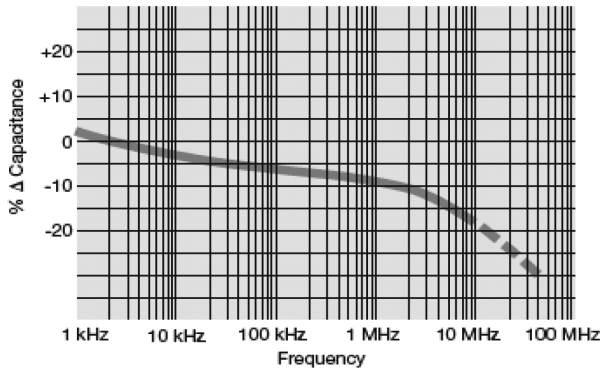


### Insulation Resistance vs. Temp.

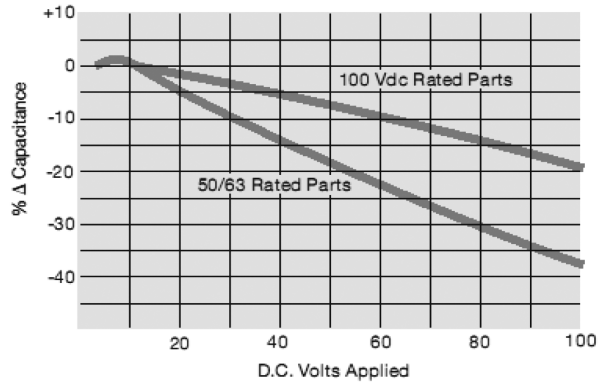


# Multilayer Ceramic Capacitor

**Δ Capacitance vs. Frequency**



**Voltage Coefficient**



## Part Number Table

Description	Part Number
Multilayer Ceramic Capacitor, 0.047μF, 50V, MCRR Series, ±10%, Radial Leaded, X7R	MCRR50473X7RK0050

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