

Capacitor

Low K, 50V DC

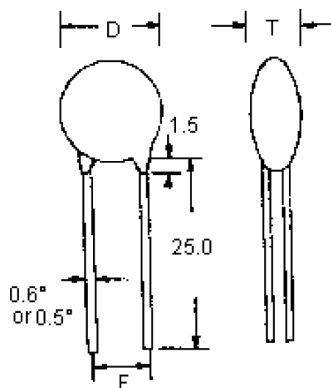


Features:

- Linear temperature coefficient of capacitance
- High stability of capacitance
- Low loss at wide range of frequency

Specifications:

Operating Temperature Range	: -25°C to 85°C
Rated Working Voltage	: 50V DC and 500V DC
Test Voltage	: 3 times of the rated voltage
Capacitance	: Within the tolerance at 1MHz, $1 \pm 0.2V_{rms}$, 25°C
Q Factor	: At 1MHz, $1 \pm 0.2V_{rms}$, 25°C
C $\geq 30\mu F$: $Q \geq 1,000$
C $< 30\mu F$: $Q \geq 400 + 20C$ (C: rated capacitance)
Minimum Insulation Resistance	: 10,000M Ω
Lead Diameter	: 0.6mm
Lead Length	: 25mm



Dimensions : Millimetres

Rated Voltage (V DC)	Temperature Characteristics	Capacitance		Dimensions		
		Range (pF)	Tolerance	D \varnothing Max.	T Max.	F
U 50	CH 0 ± 60 PPM/ $^{\circ}$ C (NPO)	0.5 to 47	C.D. (Under 10pF) J.K. (Over 10pF)	5.5	3.5	2.5

Dimensions : Millimetres

Part Number Table

Description	Part Number
Capacitor, 5pF, 50V	MCCHU5050C5
Capacitor, 10pF, 50V	MCCHU5100J5

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