

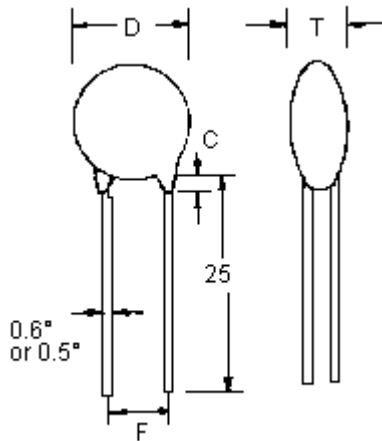
# Ceramic Disc Capacitors



## MCCHU Series

### Features:

- Capacitance has linear temperature coefficient
- Capacitance high stability
- Low loss at wide range of frequency



C : 50 V = 1.5

Dimensions : Millimetres

### Specification Table

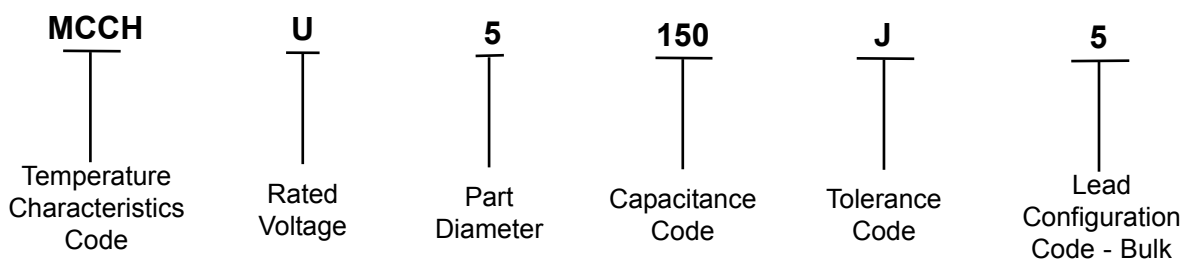
Capacitance Range	1 pF to 820 pF
Capacitance Tolerance	±5%
Operating Temperature Range	-25°C to 85°C
Rated Working Voltage	50 V
Q Factor at 1 MHz, 1 ±0.2 V <sub>rms</sub> , 25°C	C ≥30 pF : Q ≥1,000 C <30 pF : Q ≥400 +20°C
Insulation Resistance (IR) at 25°C	10,000 MΩ minimum
Dielectric Strength	3 times the rated WVDC
Testing Parameters	1 MHz ±20%, 1 ±0.2 V <sub>rms</sub>

### Capacitance Chart

Temperature Characteristics	Part Diameter	Rated Voltage (V)	Capacitance		Maximum Dimension		
			Range (pF)	Tolerance	D	T	F
MCCH +60 PPM / °C	5	U (50)	0.5 - 47	J (> = 10 pF)	5.5	3.5	5
	6		51 - 75		6.5		
	7		82 - 100		7.5		
	8		120 - 150		8.5		

Dimensions : Millimetres

### Part Number Explanation:



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### Temperature Characteristics Code

	MCCH (NPO)
T.C. (PPM / °C) or Capacitance Change (%)	+60 PPM / °C

### Rated Voltage

	U
Voltage	50 V

### Part Diameter

Code	Diameter (mm)
5	5
6	6
7	7
8	8

### Capacitance Code

Code	Capacitance (pF)
150	15
220	22
330	33
470	47
680	68
101	100
151	150
221	220

### Tolerance Code

Code	Tolerance
J	±5%

### Lead Configuration Code - Bulk

Bulk Lead Code	Configuration and Dimension		
	Kinked / Straight	Lead Space (F)	Minimum Lead Length (L)
5	Straight	2.5	25

Dimensions : Millimetres

### Part Number Table

Description	Part Number
Capacitor, 15 PF 50 V	MCCHU5150J5
Capacitor, 22 PF 50 V	MCCHU5220J5
Capacitor, 33 PF 50 V	MCCHU5330J5
Capacitor, 47 PF 50 V	MCCHU5470J5
Capacitor, 68 PF 50 V	MCCHU6680J5
Capacitor, 100 PF 50 V	MCCHU7101J5
Capacitor, 150 PF 50 V	MCCHU8151J5
Capacitor, 220 PF 50 V	MCCHU0221J5

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