

Ceramic Disc Capacitors

MCCHU Series



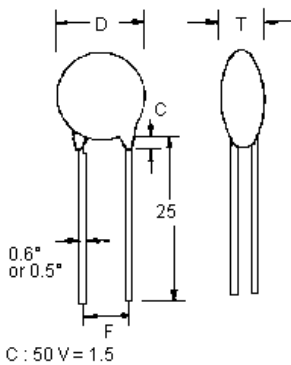
Features:

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

Specifications

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

Diagram

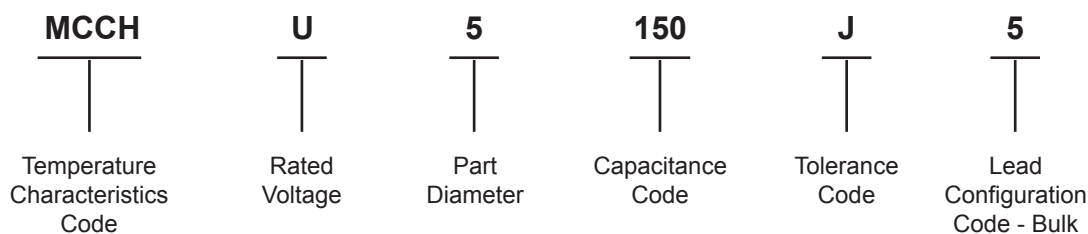


Capacitance Chart

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	2.5
	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
5	5mm
6	6mm
7	7mm
8	8mm

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

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