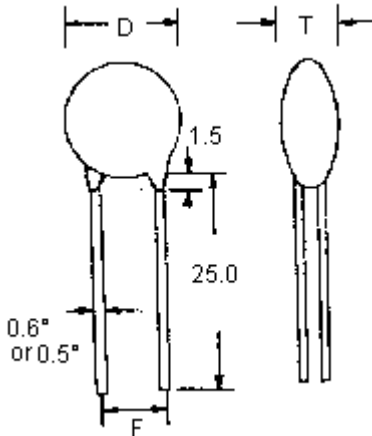


# Low K 50V dc



### Features:

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



Dimensions : Millimetres

### 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 ±0.2Vrms, 25°C. |
| Q factor                      | : At 1MHz, 1 ±0.2Vrms, 25°C.                      |
| C ≥30pF                       | : Q ≥1000.  |
| C <30pF                       | : Q ≥400 + 20C (C: rated capacitance).            |
| Minimum insulation resistance | : 10,000MΩ.                                       |

### Temperature Characteristics/Capacitance Value/Rated Voltage

| Description          | Rated Voltage (V dc) | Temperature Characteristics | Capacitance |                                       | Dimensions  |           |     | Part Number |
|----------------------|----------------------|-----------------------------|-------------|---------------------------------------|-------------|-----------|-----|-------------|
|                      |                      |                             | Range (pF)  | Tolerance                             | D Ø Maximum | T Maximum | F   |             |
| Capacitor, 5PF, 50V  | U 50                 | CH 0 ±60 PPM/°C (NPO)       | 0.5 to 47   | C.D. (Under 10pF)<br>J.K. (Over 10pF) | 5.5         | 3.5       | 5.0 | MCCHU5050C5 |
| Capacitor, 10PF, 50V |                      |                             |             |                                       |             |           |     | MCCHU5100J5 |

Dimensions : Millimetres

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