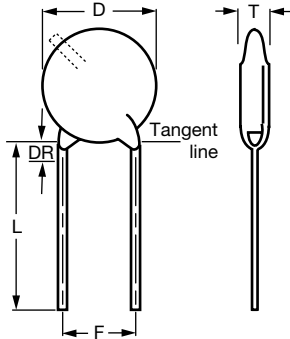


Vishay Component (Huizhou) Co. Ltd. Disc Capacitor Specification


FEATURES

- High capacitance
- High stability
- Compliant to RoHS directive 2002/95/EC


**RoHS
COMPLIANT**
APPLICATIONS

- Bypassing
- Coupling
- Resonant circuit

DESIGN

Encapsulation is made of phenolic resin. Connection leads are made of tinned copper having a diameter of 0.8 mm with straight lead style.

QUICK REFERENCE DATA

| DESCRIPTION | CLASS 2 (Z5V) |
|-----------------------|---------------|
| Voltage (V_{DC}) | 500 |
| Min. Capacitance (pF) | 80 000 |
| Max. Capacitance (pF) | 180 000 |
| Mounting | Through hole |

MARKING

BC104Z

OPERATING TEMPERATURE RANGE

Class 2, 10 °C to 125 °C

TEMPERATURE COEFFICIENT

Class 2, Z5V

SECTIONAL SPECIFICATION

Class2, IEC 60348-9

CLIMATIC CATEGORY

25/085/21

CAPACITANCE RANGE

80 000 pF to 180 000 pF

RATED DC VOLTAGE

500 V

TEST DC VOLTAGE

1250 V

DIELECTRIC STRENGTH

250 % of rated voltage

INSULATION RESISTANCE AT 500 V_{DC}

 10 G Ω min.

TOLERANCE ON CAPACITANCE

+ 80 %/- 20 %

DISSIPATION FACTOR

 3.0 % max. at 1kHz/1.0 V_{RMS}
RESISTANCE TO SOLDERING HEAT

 260 °C \pm 5 °C, 10 s \pm 1 s

ORDERING INFORMATION, CLASS 2, 500 V_{DC} , STRAIGHT

| C (pF) | TOL. (%) | D _{MAX.} (mm) | T _{MAX.} (mm) | LEAD SPACING F (mm) | LEAD DIAMETER (mm) | DR _{MAX.} (mm) | CLEAR TEXT CODE |
|---------------------|-----------|------------------------|------------------------|---------------------|--------------------|-------------------------|------------------|
| Class 2, Z5V | | | | | | | |
| 100 000 | + 80/- 20 | 23.6 | 5.0 | 10.0 \pm 0.8 | 0.8 \pm 0.05 | 3.0 | S104Z93Z5VL83L0R |



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