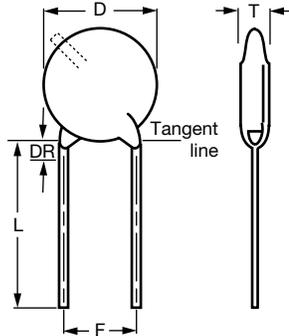


## Vishay Component (Huizhou) Co. Ltd. Disc Capacitor Specification


**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 $\Omega$  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 <sub>MAX.</sub> (mm)	T <sub>MAX.</sub> (mm)	LEAD SPACING F (mm)	LEAD DIAMETER (mm)	DR <sub>MAX.</sub> (mm)	CLEAR TEXT CODE
<b>Class 2, Z5V</b>							
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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