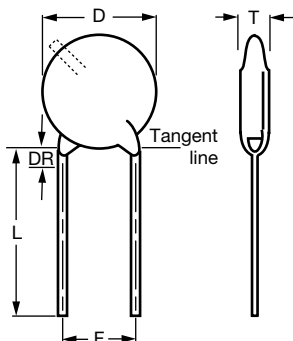


## Vishay Component (Huizhou) Co. Ltd. Disc Capacitor Specification



### 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 GΩ min.

### TOLERANCE ON CAPACITANCE

+ 80 %/- 20 %

### DISSIPATION FACTOR

3.0 % max. at 1kHz/1.0  $V_{RMS}$ 

### RESISTANCE TO SOLDERING HEAT

260 °C ± 5 °C, 10 s ± 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 ± 0.8	0.8 ± 0.05	3.0	S104Z93Z5VL83L0R



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