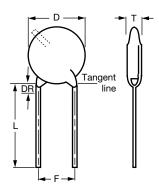


Vishay BCcomponents

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



QUICK REFERENCE DATA				
DESCRIPTION	CLASS 2 (Z5V)			
Voltage (V <sub>DC</sub> )	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

#### **FEATURES**

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



RoHS

#### **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.

#### **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  $\ensuremath{V_{RMS}}$ 

#### **RESISTANCE TO SOLDERING HEAT**

260 °C  $\pm$  5 °C, 10 s  $\pm$  1 s

ORDERING INFORMATION, CLASS 2, 500 V <sub>DC</sub> , 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	
Class 2, Z5V								
100 000	+ 80/- 20	23.6	5.0	10.0 ± 0.8	$0.8 \pm 0.05$	3.0	S104Z93Z5VL83L0R	



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Vishay

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