

# SMD Schottky Barrier Diode

**Comchip**  
SMD Diode Specialist

## CDBP0130R

**Io=100mA**

**VR=30V**

**RoHS Device**

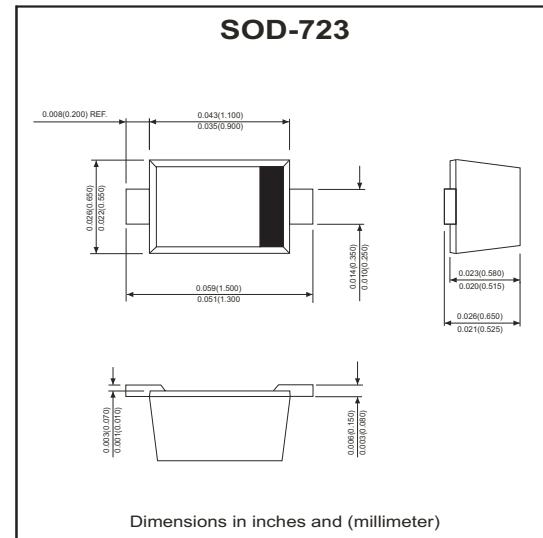


### Features

- Small surface mounting type.
- Low reverse current and low forward voltage.
- High reliability.

### Mechanical Data

- Case: Molded plastic SOD-723
- Terminals: Solderable per MIL-STD-750, Method 2026.1.
- Polarity: Indicated by cathode band.
- Mounting position: Any.
- Marking: E



### Maximum Ratings (at Ta=25°C unless otherwise noted)

Parameter	Symbol	Limits	Unit
DC reverse voltage	VR	30	V
Mean rectifying current	Io	100	mA
Peak forward surge current	IFSM	500	mA
Junction temperature	TJ	125	°C
Storage temperature	Tstg	-40 to +125	°C

### Electrical Characteristics (at Ta=25°C unless otherwise noted)

Parameter	Conditions	Symbol	Min.	Max.	Unit
Forward voltage	IF=10mA	VF		0.45	V
Reverse current	VR=10V	IR		0.5	µA

## ELECTRICAL CHARACTERISTIC CURVES (CDBP0130R)

Fig.1 Forward Characteristics

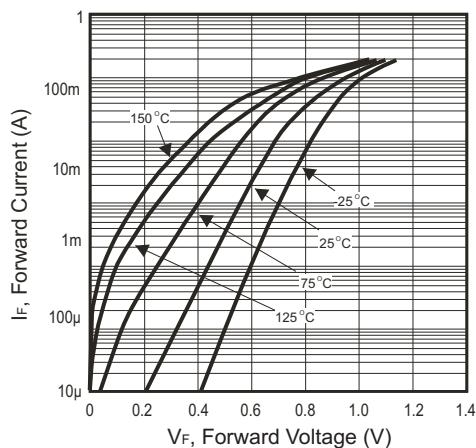


Fig.2 Reverse Characteristics

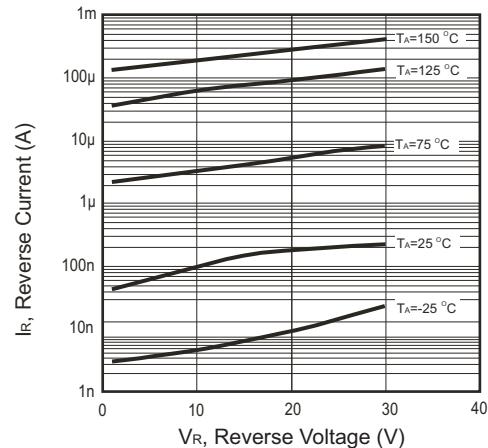


Fig.3 Capacitance between terminals

