



# ESDB5VHP

## Electrostatic discharge Protection Devices(ESD)

### FEATURES

- Low leakage.
- Bi-direction ESDprotection of one line.
- Low diode capacitance

### MECHANICAL DATA

- Case style:SOD-882 molded plastic
- Polarity:color band denotes positive end  
( cathode ) except for bidirectional
- Mounting position:any

### SOD-882

## MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

| Parameter                       | Symbol    | Value               | Units |
|---------------------------------|-----------|---------------------|-------|
| IEC6100-4-2(ESD)<br>Air Contact | $V_{ESD}$ | $\pm 15$<br>$\pm 8$ | KV    |
| JUNCTION Temperature            | $T_J$     | -55to+150           | °C    |
| Storage Temperature Range       | $T_{STG}$ | -55to+150           | °C    |

## Electrical Specification ( $T_A=25@25^\circ\text{C}$ unless otherwise specified)

| Type NO. | Marking | Reverse Stand-Off Voltage | Reverse Current  | Breakdown Voltage |         | Junction Capacitance |     |       |
|----------|---------|---------------------------|------------------|-------------------|---------|----------------------|-----|-------|
|          |         | $V_{RMW}$                 | $I_{RM}@V_{RWM}$ | $V_{BR}$          | @ $I_T$ | $C_J$                | @f  | $V_R$ |
|          |         | Max(V)                    | Max(uA)          | Min(V)            | (mA)    | typ.(pF)             | MHz | V     |
| ESDB5VHP | P5      | 5.0                       | 1                | 5.6               | 1.0     | 35                   | 1   | 0     |