

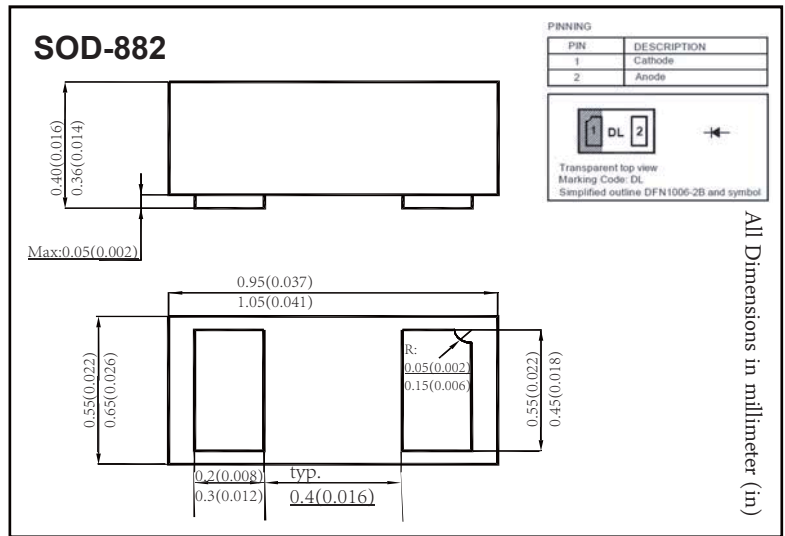
## Electrostatic discharge Protection Devices(ESD)

### 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



### MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

#### Absolute Maximum Ratings (T<sub>a</sub> = 25°C)

Parameter	Air Contact	Symbol	Value	Unit
IEC61000-4-2 (ESD)		V <sub>ESD</sub>	±15 ± 8	KV
Peak Pulse Current (t <sub>p</sub> = 8/20 us)		I <sub>PP</sub>	1	A
Peak Pulse Power (t <sub>p</sub> = 8/20 us)		P <sub>pk</sub>	15	W
Junction Temperature		T <sub>j</sub>	- 55 to + 125	°C
Storage Temperature Range		T <sub>stg</sub>	- 55 to + 150	°C

#### Characteristics at T<sub>a</sub> = 25°C

Parameter	Symbol	Min.	Max.	Unit
Reverse Stand-Off Voltage	V <sub>RWM</sub>	-	5	V
Reverse Breakdown Voltage at I <sub>R</sub> = 1 mA	V <sub>BR</sub>	6	10	V
Reverse Current at V <sub>RWM</sub> = 5 V	I <sub>R</sub>	-	100	nA
Clamping Voltage at I <sub>PP</sub> = 1 A, t <sub>p</sub> = 8/20 μs	V <sub>C</sub>	-	10	V
Junction Capacitance at V <sub>R</sub> = 0 V, f = 1 MHz	C <sub>d</sub>	-	7	pF

Marking Code: DL