

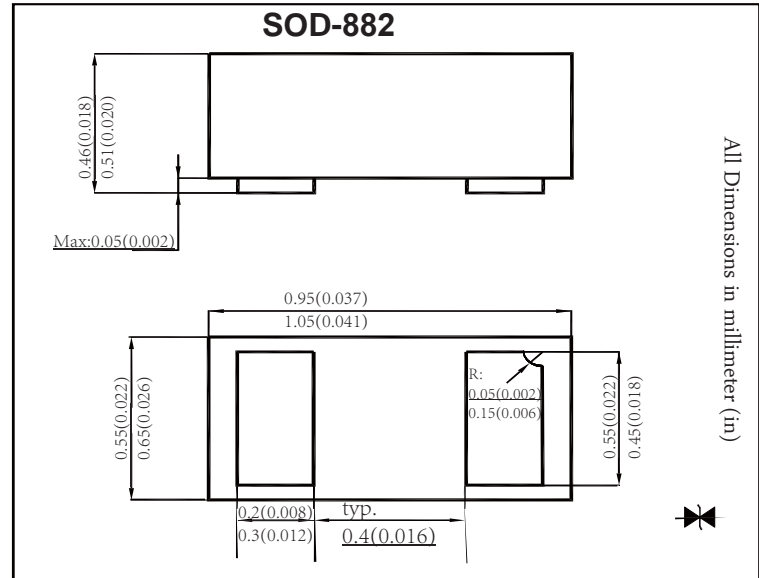
## Electrostatic discharge Protection Devices(ESD)

### FEATURES

- Low Leakage Current
- Bi-direction high reliability

### 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	Symbol	Value	Unit
IEC61000-4-2 (ESD) Air Contact	V <sub>ESD</sub>	±15 ± 8	KV
Peak Pulse Power On FR-5 Board <sup>1)</sup>	P <sub>D</sub>	300	mW
Thermal Resistance Junction to Ambient Air	R <sub>θJA</sub>	400	°C/W
Junction Temperature	T <sub>j</sub>	- 55 to + 150	°C
Storage Temperature Range	T <sub>stg</sub>	- 55 to + 150	°C

<sup>1)</sup>FR-5 = 1.0 X 0.75 X 0.62 in .

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

Type	Marking Code	Reverse Stand-off Voltage	Reverse Current	Breakdown Voltage			Clamping Voltage	Reverse Peak Pulse Current	Capacitance		
		V <sub>RWM</sub>	I <sub>R</sub> at V <sub>RWM</sub>	V <sub>BR</sub>		at I <sub>T</sub>	V <sub>C</sub> at I <sub>PP</sub>	I <sub>PP</sub>	C <sub>j</sub>	at f	at V <sub>R</sub>
		Max. (V)	Max. (μA)	Min. (V)	Max. (V)	(mA)	Max. (V)	(A)	Typ. (pF)	(MHz)	(V)
ESDBL3V3P	C	3.3	1	5	7	1	10.5	1	15	1	0
ESDBL5V0P	E	5	1	5.8	7.8	1	12.5	1	15	1	0

### PACKAGE INFORMATION

Device	Package	Shipping
ESDBL3V3P- -ESDBL5V0P	SOD-882	5000/Tape&Reel