

## Electrostatic discharge Protection Devices(ESD)

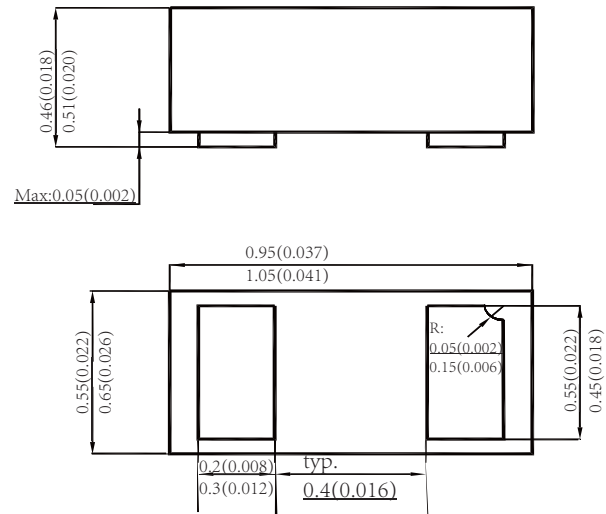
### FEATURES

- Low Leakage Current
- Bi-directional ESD protection of one line
- Low diode capacitance
- Halogen and Antimony Free(HAF), RoHS compliant

### 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)

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

Parameter		Value	Unit	
IEC61000-4-2 (ESD)	Air Contact	V <sub>ESD</sub>	±15 ±8	KV
Junction Temperature		T <sub>j</sub>	150	°C
Storage Temperature Range		T <sub>stg</sub>	- 65 to + 150	°C

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

Type	Reverse Stand-off Voltage	Reverse Current	Breakdown Voltage			Diode Capacitance		
	V <sub>RWM</sub>	I <sub>RM</sub> at V <sub>RWM</sub>	V <sub>BR</sub>		at I <sub>R</sub>	C <sub>d</sub>	at f	at V <sub>R</sub>
	Max. (V)	Max. (μA)	Min. (V)	Max. (V)	(mA)	Max. (pF)	(MHz)	(V)
ESDBL5V0HP	5	0.1	5.5	9.5			1	0

#### Marking Code: AN

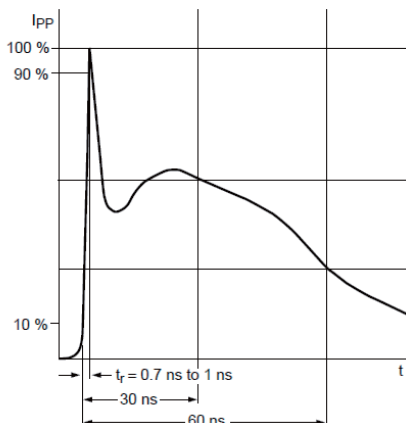


Fig 1. ESD pulse waveform according to IEC 61000-4-2

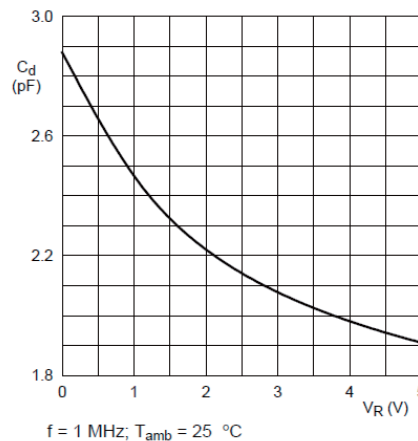


Fig 2. Diode capacitance as a function of reverse voltage; typical values