

Electrostatic discharge Protection Devices(ESD)

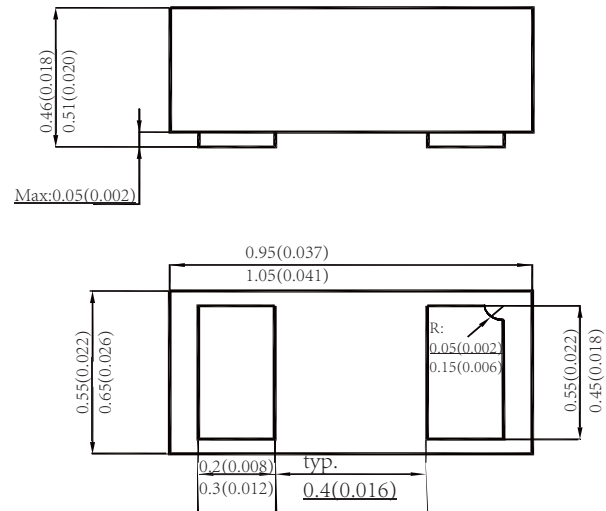
FEATURES

- 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



All Dimensions in millimeter (in)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Absolute Maximum Ratings (T_a = 25°C)

Parameter		Value	Unit
IEC61000-4-2 (ESD)	Air Contact	V _{ESD} ±15 ± 8	KV
Junction Temperature		T _j 150	°C
Storage Temperature Range		T _{stg} - 65 to + 150	°C

Characteristics at T_a = 25°C

Type	Reverse Stand-off Voltage	Reverse Current	Breakdown Voltage			Diode Capacitance		
	V _{RWM}	I _{RM} at V _{RWM}	V _{BR}		C _d	at f	at V _R	
	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

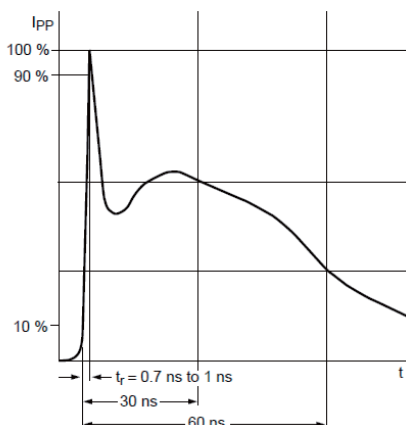


Fig 1. ESD pulse waveform according to IEC 61000-4-2

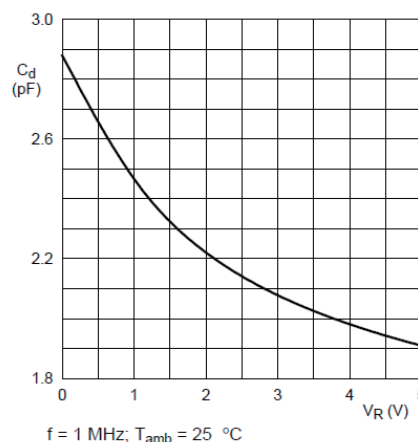


Fig 2. Diode capacitance as a function of reverse voltage; typical values