

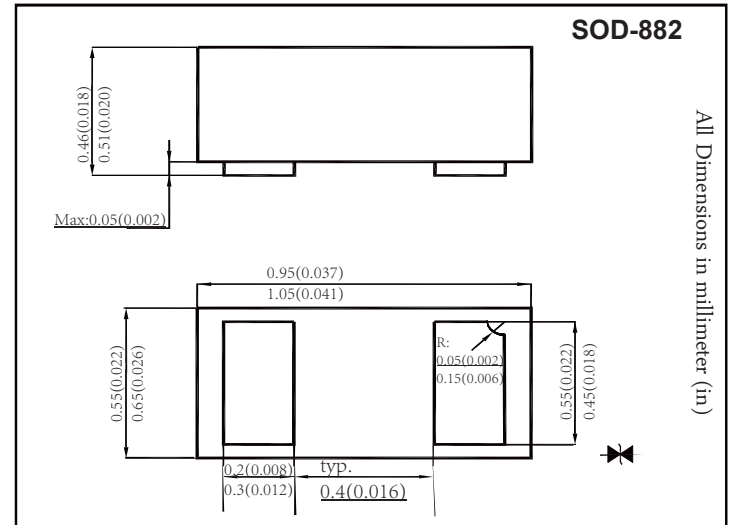
## Electrostatic discharge Protection Devices(ESD)

### 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	Symbol	Value	Unit
ESD per IEC 61000-4-2 Air Contact	V <sub>ESD</sub>	± 15 ± 8	KV
Operating Temperature	T <sub>j</sub>	- 55 to + 150	°C
Storage Temperature Range	T <sub>stg</sub>	- 55 to + 150	°C

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

Parameter	Symbol	Min.	Typ.	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>	5.6	-	7.8	V
Reverse Current at V <sub>RWM</sub> = 5 V	I <sub>R</sub>	-	-	1	μA
Junction Capacitance at V <sub>R</sub> = 0 V, f = 1 MHz	C <sub>d</sub>	-	35	-	pF

**Marking Code: P5**

# RATINGS AND CHARACTERISTIC CURVES

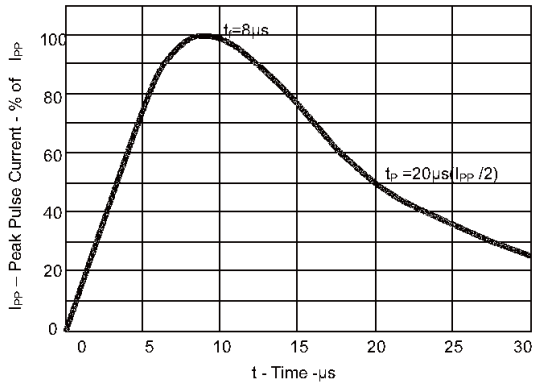


Fig 1. Pulse Waveform

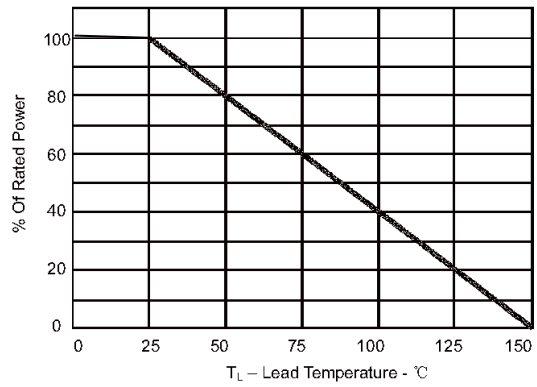


Fig 2. Power Derating Curve

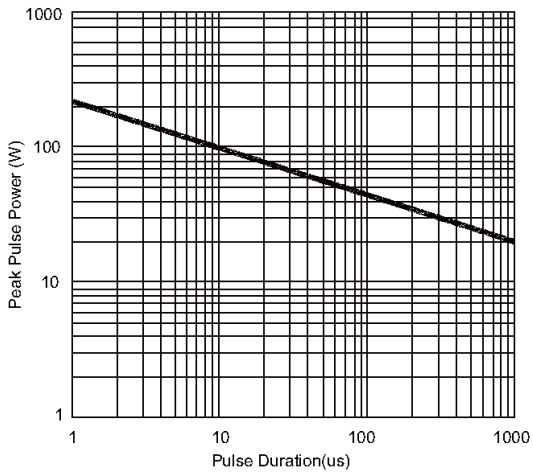


Fig 3. Non Repetitive Peak Pulse Power vs. Pulse time