

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

SOD-882

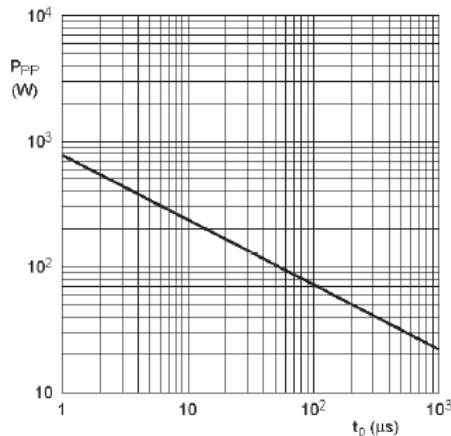
MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Parameter	Symbol	Value	Units
IEC6100-4-2(ESD) Air Contact	V_{ESD}	± 15 ± 8	KV
JUNCTION Temperature	T_J	150	°C
Storage Temperature Range	T_{STG}	-65to+150	°C

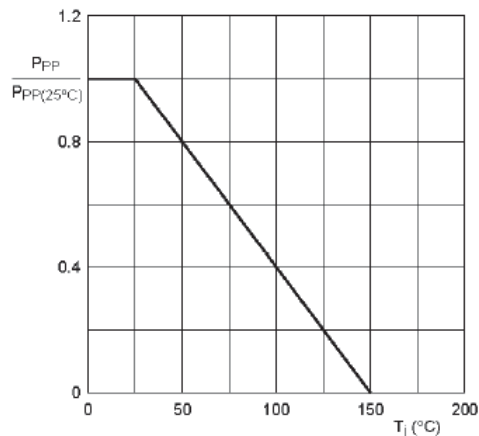
Electrical Specification ($T_A=25^\circ\text{C}$ unless otherwise specified)

Type NO.	Marking	Reverse Stand-Off Voltage	Reverse Current	Breakdown Voltage			Junction Capacitance		
		V_{RMW}	$I_{RM}@V_{RWM}$	V_{BR}		C_d	@f	@ V_R	
		Max(V)	Max(μA)	Min(V)	Max(V)	(mA)	VC(V)	IPP(A)	(V)
ESDU5V0P	G2	5.0	1	6.4	7.2	5.0	200	15	0



$T_{amb} = 25^\circ\text{C}$

Peak pulse power as a function of exponential pulse duration; typical values



Relative variation of peak pulse power as a function of junction temperature; typical values