



# ESD9P3V3-ESD9P5V0

## 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) Contact	---	±30	KV
Power Dissipation on FR-5 BoardStorage Temperature Range	P <sub>D</sub>	150	mW
JUNCTION Temperature	T <sub>J</sub>	150	°C
Storage Temperature Range	T <sub>STG</sub>	-55to+150	°C

### Electrical Specification (T<sub>A</sub>=25°C unless otherwise specified V<sub>F</sub>=0.9V MAX.@I<sub>F</sub>=10mA)

Type NO.	Marking	Reverse Stand-Off Voltage	Reverse Current	Breakdown Voltage		Clamping Voltage	Reverse peak Pulse Current	Junction Capacitance	Peak Power Dissipation
		V <sub>RMW</sub> Max(V)	I <sub>RM</sub> @V <sub>RWM</sub> Max(μA)	V <sub>BR</sub> Min(V)	@I <sub>T</sub> (mA)	V <sub>c</sub> @Max.Ipp Max.(V)	IPP Max.(A)	C <sub>J</sub> typ.(pF)	Ppk(W)8×20us Typ
ESD9P3V3	XA	3.3	2.5	5.0	1.0	10.4	9.8	65	102
ESD9P5V0	XB	5.0	1.0	6.2	1.0	12.3	8.7	80	107