



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 _D	150	mW
JUNCTION Temperature	T _J	150	°C
Storage Temperature Range	T _{STG}	-55to+150	°C

Electrical Specification (T_A=25°C unless otherwise specified V_F=0.9V MAX.@I_F=10mA)

Type NO.	Marking	Reverse Stand-Off Voltage	Reverse Current	Breakdown Voltage		Clamping Voltage	Reverse peak Pulse Current	Junction Capacitance	Peak Power Dissipation
		V _{RWM} Max(V)	I _{RM} @V _{RWM} Max(μA)	V _{BR} Min(V)	@I _T (mA)	V _c @Max.Ipp Max.(V)	IPP Max.(A)	C _J 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