



ESDUL5V0BP

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}	± 20 ± 15	KV
JUNCTION Temperature	T_J	150	°C
Storage Temperature Range	T_{STG}	-55to+150	°C

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

Type NO.	Marking	Reverse Stand-Off Voltage	Reverse Current	Breakdown Voltage		Clamping Voltage	Reverse peak Pulse Current	Junction Capacitance	
		V_{RMW}	$I_{RM}@V_{RWM}$	V_{BR}	@ I_T	$V_C@Max.I_{pp}$	IPP	C_J	@f
		Max(V)	Max(uA)	Min(V)	(mA)	Max.(V)	Max.(A)	typ.(pF)	IPP(A)
ESDU0501BP	5T	5.0	0.25	6	1.0	12.5	2	10	2