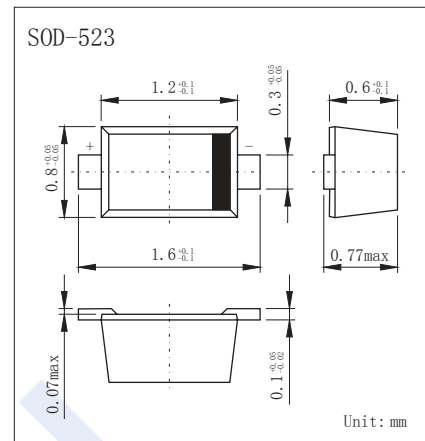


ESD Protection Diodes

ESD5B5.0

■ Features

- Low Leakage
- Transient Voltage Suppressors for ESD Protection



■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Power Dissipation	P_d	200	mW
Lead Solder Temperature-Maximum	T_L	260	°C
Junction Temperature	T_J	150	
Storage Temperature range	T_{stg}	-55 to 150	

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V_R	$I_R = 1 \text{ mA}$	5.6		8.5	V
Reverse voltage leakage current	I_R	$V_R = 5 \text{ V}$			1	μA
Junction capacitance	C_j	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$		35		pF