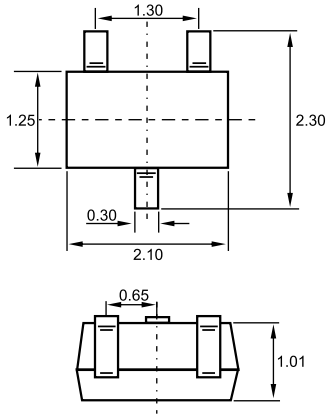
1SS401

Schottoky Diode

1.ANODE
2. NC
3. CATHODE

SOT-323

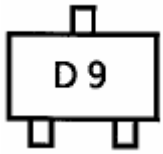


Dimensions in inches and (millimeters)

Features

- ✧ Low forward voltage : V_F=0.38V(typ.)
- ✧ Low reverse current : I_R=50uA(max)
- ✧ Small total capacitance : C_T =46pF(typ.)

MARKING:



Maximum Ratings @T_A=25℃

Parameter	Symbol	Limits	Unit
Non-Repetitive Peak reverse voltage	V_{RM}	25	V
Peak Repetitive Peak reverse voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_R	20	V
Forward Continuous Current	I_{FM}	700	mA
Average Rectified Output Current	I_O	300	mA
Power Dissipation	Pd	100	mW
Junction temperature	T_J	125	℃
Storage temperature range	T_{STG}	-55-125	℃

Electrical Characteristics @T_A=25℃

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Reverse Breakdown Voltage	$V_{(BR)R}$	20			V	I_R=100μA
Forward voltage	V_{F1}		0.16		V	I_F=1mA
	V_{F2}		0.22		V	I_F=10mA
	V_{F3}		0.38	0.45	V	I_F=300mA
Reverse current	I_R			50	uA	V_R=20V
Capacitance between terminals	C_T		46		pF	V_R=0,f=1MHz

Typical Characteristics