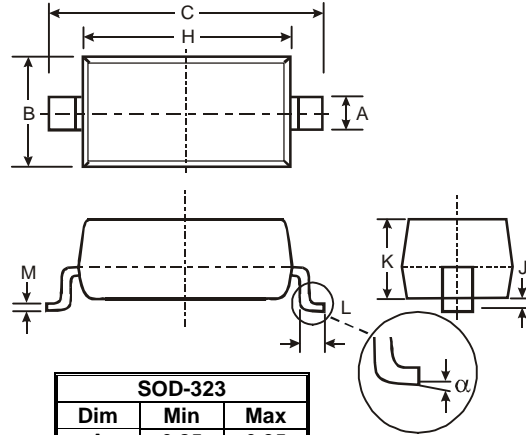


Features



Mechanical Data

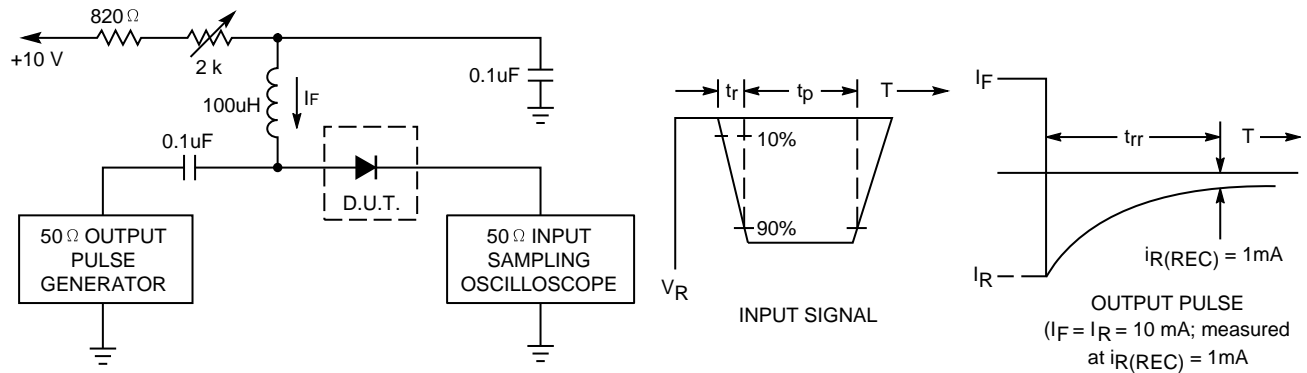
- Case Molded Plastic

SOD-323		
Dim	Min	Max
A	0.25	0.35
B	1.20	1.40
C	2.30	2.70
H	1.60	1.80
J	0.00	0.10
K	1.0	1.1
L	0.20	0.40
M	0.10	0.15
α	0°	8°
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified

		SYMBOLS	VALUE		UNITS
Continuous Reverse Voltage		V_R	75		Vdc
Peak Forward Current		I_F	200		mAdc
Peak Forward Surge Current		I_{FSM}	500		mAdc
CHARACTERISTIC		SYMBOLS	MIN.	MAX.	UNITS
Reverse Voltage Leakage Current	($V_R=75\text{Vdc}$)	I_R	-	1.0	uAdc
	($V_R=75\text{Vdc}, T_J=150^\circ\text{C}$)		-	50	
	($V_R=25\text{Vdc}, T_J=150^\circ\text{C}$)		-	30	
Reverse Breakdown Voltage	($I_{BR}=100\text{uAdc}$)	$V_{(BR)}$	75	-	Vdc
Forward Voltage	($I_F=1.0\text{mAdc}$)	V_F	-	0.72	Vdc
	($I_F=10\text{mAdc}$)		-	0.86	
	($I_F=50\text{mAdc}$)		-	1.00	
	($I_F=150\text{mAdc}$)		-	1.25	
Junction Capacitance	($V_R=0, f=1.0\text{MHz}$)	C_J	-	2.0	pF
Forward Recovery Voltage	($I_F=10\text{mAdc}, t_r=20\text{nS}$)	V_{FR}	-	1.75	Vdc
Reverse Recovery Time	($I_F=I_R=10\text{mAdc}, R_L=50\Omega$)	t_{rr}	-	6.0	nS
Stored Charge	($I_F=10\text{mAdc}, \text{to } V_R=5.0\text{Vdc}, R_L=500\Omega$)	Q_S	-	45	pC

FIGURE 1. RECOVERY TIME EQUIVALENT TEST CIRCUIT



- Notes: 1. A 2.0kΩ variable resistor adjusted for a Forward Current (I_F) of 10mA.
 2. Input pulse is adjusted so $I_{R(\text{peak})}$ is equal to 10mA.
 3. $t_p \gg t_{rr}$

FIGURE 2. FORWARD VOLTAGE

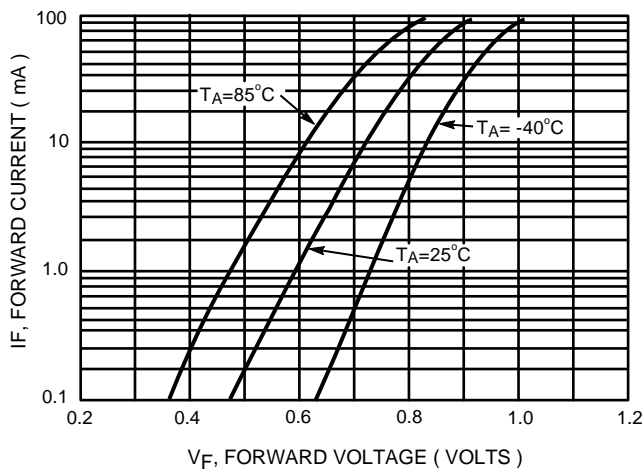


FIGURE 3. LEAKAGE CURRENT

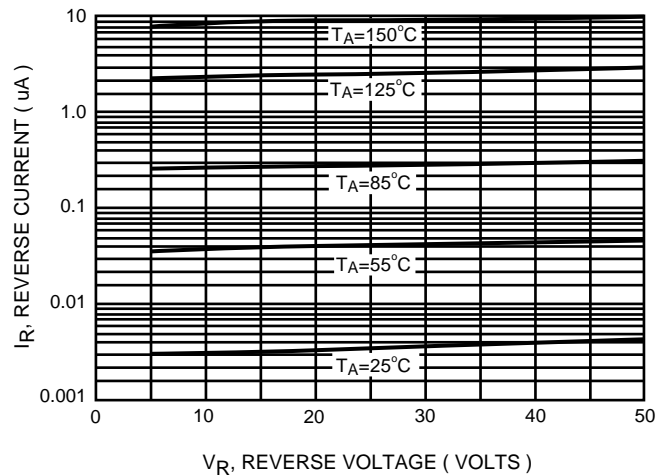


FIGURE 4. CAPACITANCE

