

200mW SOD-323 Fast Switching Diode

Features

- 4.0nS; Fast Switching Device (TRR <4.0 nS)
- 200mW; Power Dissipation of 200mW
- High Stability and High Reliability
- Low reverse leakage



RoHS
COMPLIANT



Marking :T4 SOD-323

Mechanical Data

- SOD-323 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any

Maximum Ratings & Thermal Characteristics (T_A=25°C unless otherwise noted)

Parameters	Symbol	Value	Unit
Reverse Voltage	V _R	71	V
Peak Reverse Voltage	V _{RM}	100	V
Power Dissipation	P _D	200	mW
Operating junction temperature	T _j	150	°C
Storage temperature range	T _S	-65+150	°C
Working Inverse Voltage	W _{IV}	75	V
Average Rectified Current	I _O	150	mA
Non-repetitive Peak Forward Current	I _{FM}	200	mA
Peak Forward Surge Current @tp=1us; TA=25 °C	I _{FSM}	2.0	A

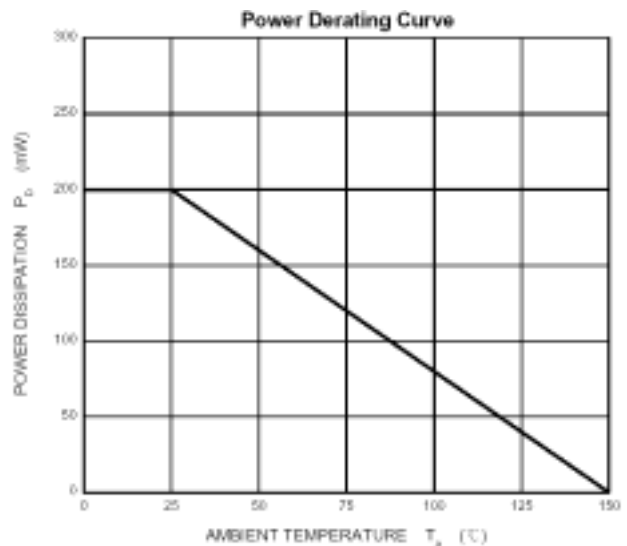
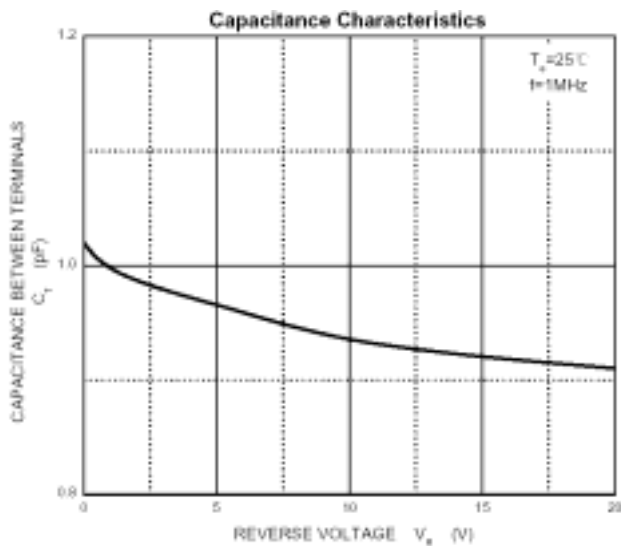
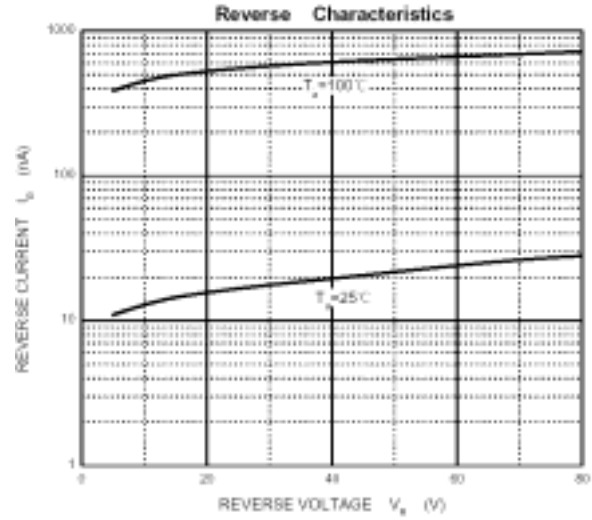
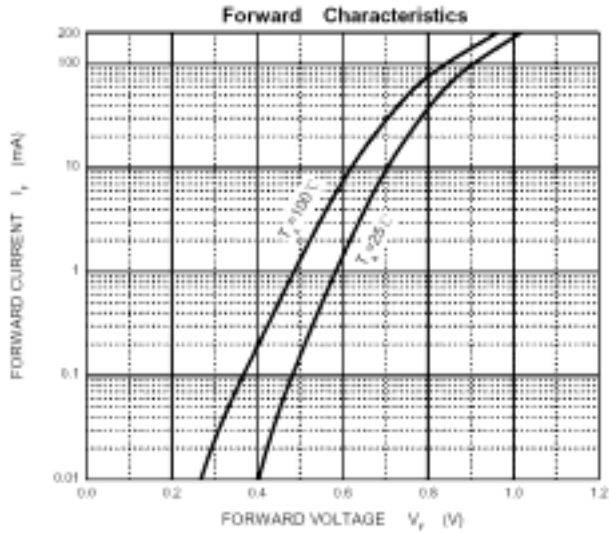
Valid provided that electrodes are kept at ambient temperature.

Electrical Characteristics (T_A=25°C unless otherwise noted)

Parameter	Symbols	Test Condition	Limits		Unit
			Min	Max	
Breakdown Voltage	B _V	IR=100uA	100		V
		IR=5uA	75		
Reverse Leakage Current	I _R	VR=20V		25	nA
		VR=75V		1	uA
Forward Voltage	V _F	IF=1.0mA		0.715	V
		IF=10mA		0.855	
		IF=50mA		1.00	
		IF=150mA		1.25	
Reverse Recovery Time	T _{RR}	IF = IR = 10mA, Irr=0.1XIR RL=100Ω		4	nS
Capacitance	C _j	VR=0V, f=1MHZ		2	pF

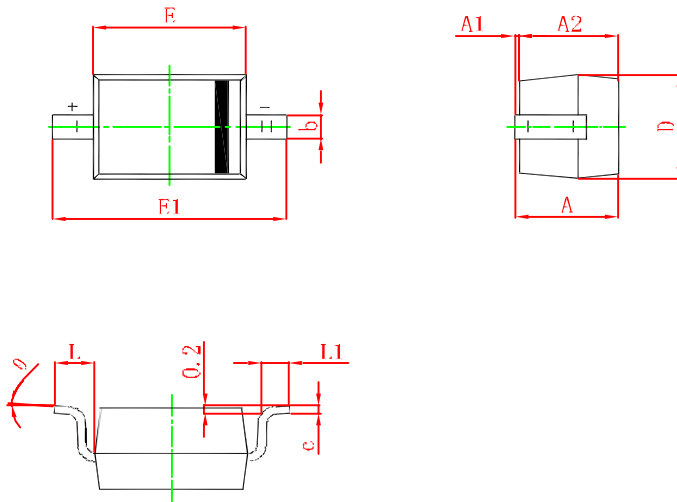
Ratings and Characteristics Curves

($T_A = 25^\circ\text{C}$ unless otherwise noted)



Package Outline Dimensions

millimeters



Symbol	Min	Max
A		1.000
A1	0.000	0.100
A2	0.800	0.900
b	0.250	0.350
c	0.080	0.150
D	1.200	1.400
E	1.600	1.800
E1	2.500	2.700
L	0.475REF	
L1	0.250	0.400
θ	0°	8°

Revision History

Document Version	Date of release	Description of changes
Rev.A	2020.04.16	First issue

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