

Descriptions

This is Silicon Diode in a SOD-323 Plastic Package.

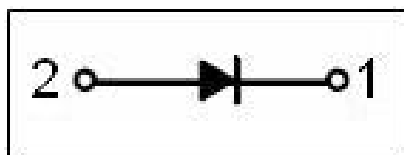
Features

Fast switching diodes. HF Product.

Applications

Switching diodes.

Equivalent Circuit



Pinning



PIN1:Cathode

PIN2:Anode

Marking

Marking	S4H
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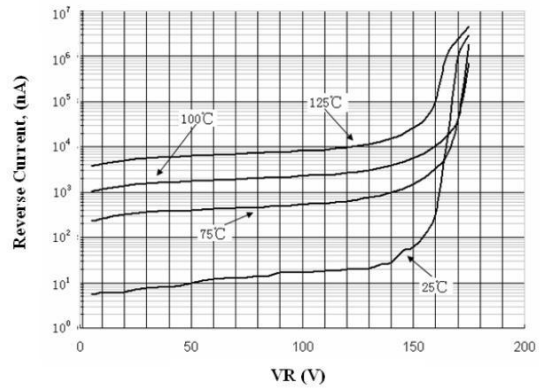
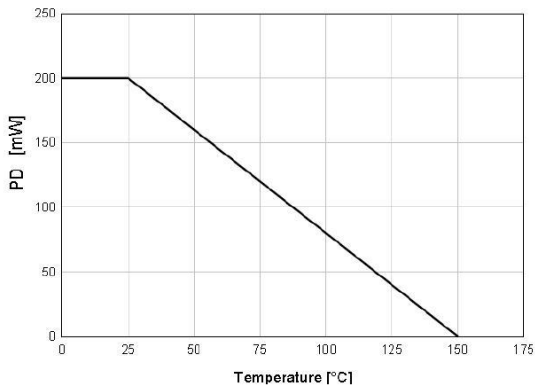
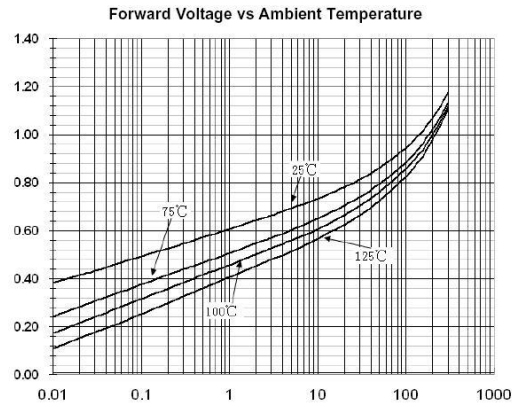
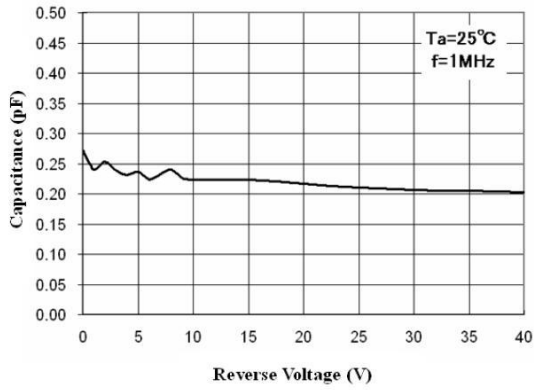
Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Rating	Unit
Reverse Voltage	V_R	80	V
Peak Reverse Voltage	V_{RM}	90	V
Average Rectified Output Current	I_O	150	mA
Forward Continuous Current	I_{FM}	250	mA
Repetitive Peak Forward Current	I_{FRM}	500	mA
Non-Repetitive Peak Forward Surge Current	I_{FSM} (t=1.0μs)	2.0	A
Power Dissipation	P_D	200	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-65~150	°C

Electrical Characteristics(Ta=25°C)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=100mA$			1.2	V
Reverse Leakage Current	I_R	$V_R=80V$			100	nA
Breakdown Voltage	V_{BR}	$I_R=100\mu A$	80			V
Reverse Recovery Time	t_{rr}	$I_F=10mA$ $V_R=6.0V$ $R_L=100\Omega$			4.0	ns
Total Capacitance	C_T	$V_R=0.5V$ $f=1.0MHz$			4.0	pF

Electrical Characteristic Curve



Marking Instructions



Note:

S4: Product Type Code

H: Company Code

Packaging SPEC

REEL

Package Type	Units					Dimension (unit: mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOD-323	3,000	10	30,000	6	180,000	7" ×8	180×120×180	390×385×205

Package Outline Dimensions

Unit: mm

尺寸 符号	SOD-323	
	min	max
A	0.80	1.15
A1	0.00	0.20
b	0.25	0.40
C	0.08	0.18
D	1.20	1.40
E	1.40	1.80
HE	2.50	2.80
L	0.20	0.45

PIN: 1.CATHODE 2.ANODE

SOD-323