

5 é / Descriptions

SOD-323 .> // x J' ! - } 8 â 'ož
Silicon Diode in a SOD-323 Plastic Package.

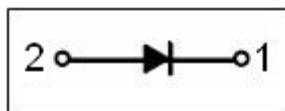
□ a / Features

• ¼ , † ½ož —)í D }ož
Fast switching diodes. HF Product.

Đ ÷ / Applications

9 • ¼ èož
Switching diodes.

Ã w] Ô · / Equivalent Circuit



• Ô - æ / Pinning



PIN1:Cathode PIN2:Anode

Z Ü B , M V / h_{FE} Classifications & Marking

Marking	S4H
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1 Absolute Maximum Ratings(Ta=25 ;)

@ f Parameter	... Z Symbol	f > Rating	% y 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} $\Delta t=1.0$ s	2.0	A
Power Dissipation	P_D	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-65 150	

2 Electrical Characteristics(Ta=25 ;)

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y 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}	$I_R=100$ A	80			<
Reverse Recovery Time	t_{rr}	$I_F=10mA$ $V_R=6.0V$ $R_L=100$			4.0	ns
Total Capacitance	C_T	$V_R=0.5V$ $f=1.0MHz$			4.0	pF

1SS355 / Electrical Characteristic Curve



, M y f / Marking Instructions



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Note:

S4: Product Type Code

H y Company Code

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