

/ Descriptions

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

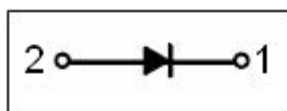
/ Features

Fast switching diodes. HF Product.

/ Applications

Small signal diode.

/ Equivalent Circuit



/ Pinning



PIN1:Cathode

PIN2:Anode

/ h_{FE} Classifications & Marking

Marking	HA2
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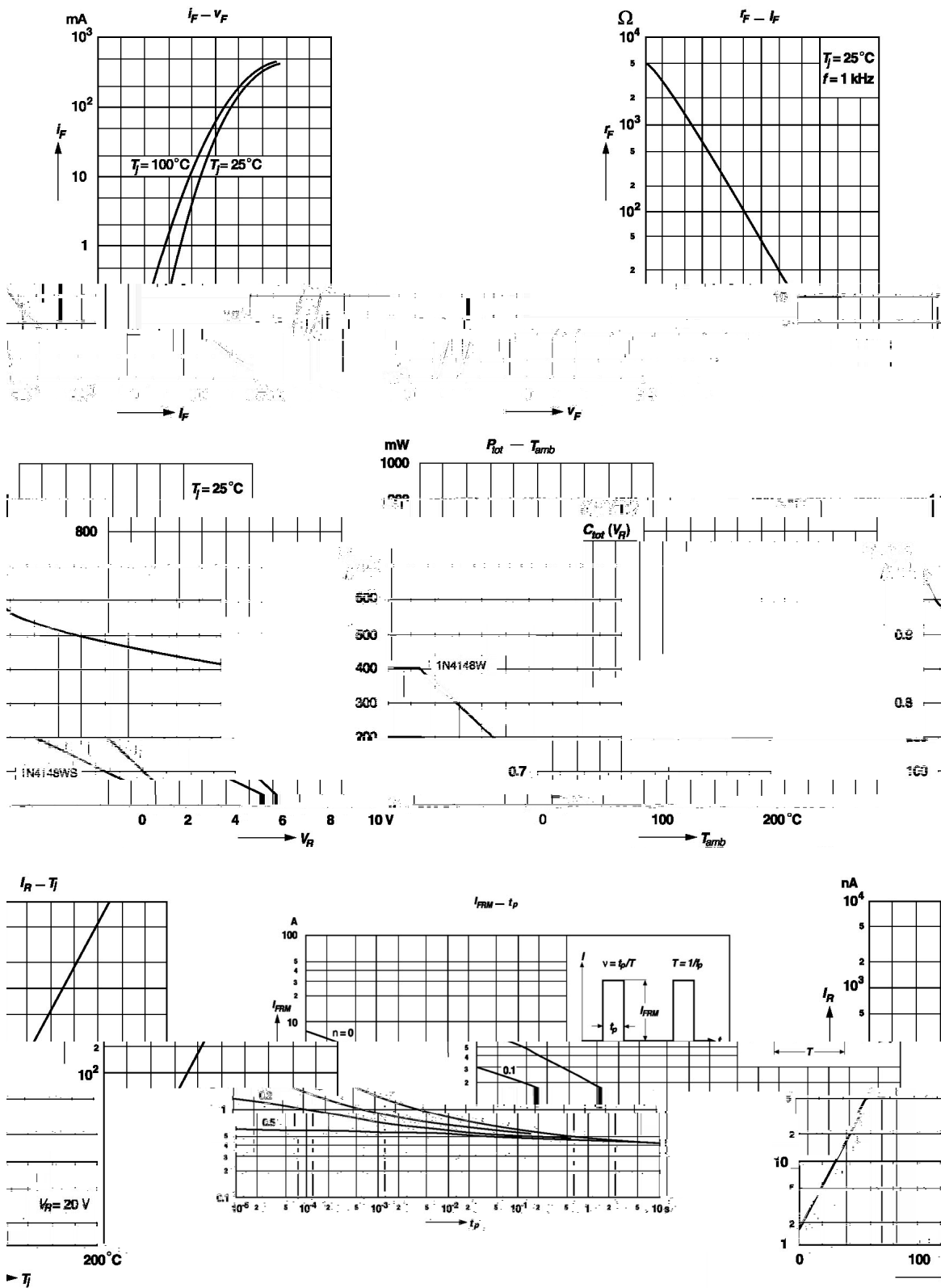
/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Reverse Voltage	V_R	75	V
Peak Reverse Voltage	V_{RM}	100	V
Average Rectified Output Current	I_O	150	mA
Forward Continuous Current	I_{FM}	300	mA
Non-Repetitive Peak Forward Surge Current	I_{FSM} (t=1.0μs)	2.0	A
	I_{FSM} (t=1.0s)	1.0	A
Power Dissipation	P_{tot}	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55~150	
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	625	/W

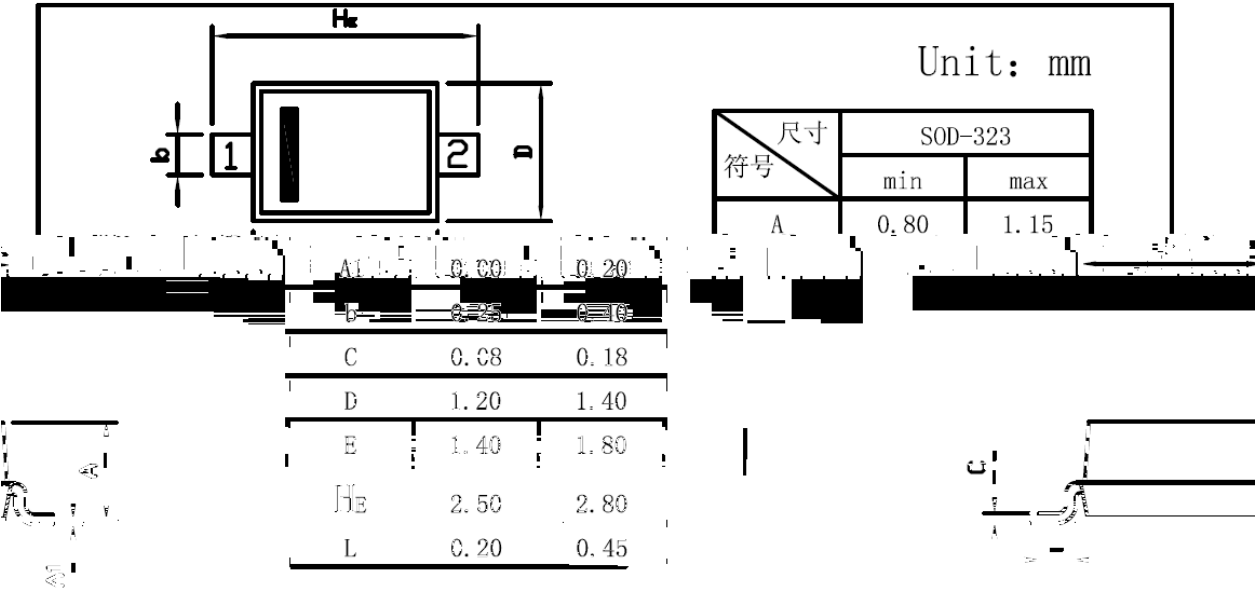
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=10mA$			1.0	V
Instantaneous Reverse Current	I_R	$V_R=20V$			25	nA
		$V_R=75V$			5	μA
		$V_R=20V$ $T_j=150^{\circ}C$			50	μA
Capacitance	C_{tot}	$V_F=V_R=0V$			4	pF
Reverse Recovery Time	t_{rr}	$I_F=10mA$ $V_R=6.0V$ $I_R=1mA$ $R_L=100\Omega$			4	ns
Voltage Rise when Switching On tested	V_{fr}	tp=0.1μs fp=5to100kHz Time<30ns			2.5	V
Total Capacitance	C_T	$V_R=0$ f=1.0MHz			2.0	pF

/ Electrical Characteristic Curve



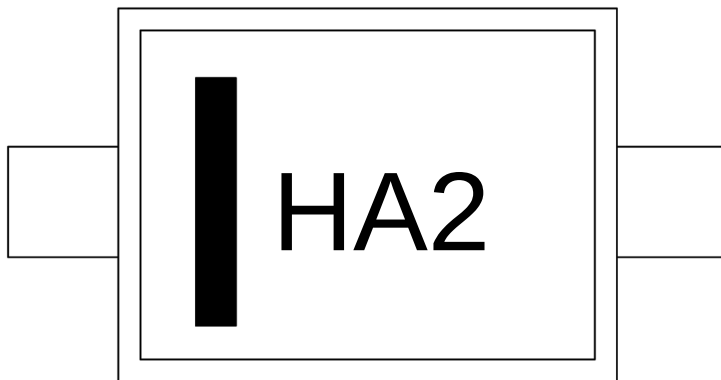
/ Package Dimensions



2AN D
-323

PIN 1CATH D
S

/ Marking Instructions



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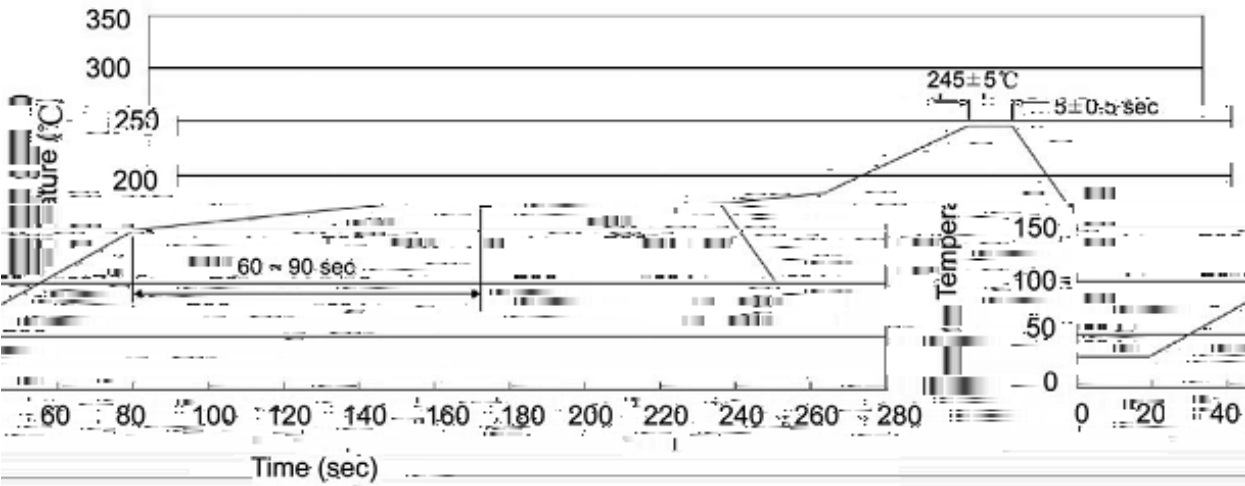
D5

Note:

H: Company Code.

A2: Product Type.

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Note:

- 1

150 180%

60 90sec;
- 2

245[±]5%

5[±]0.5sec;
- 3

2 10%/sec.
- 1.Preheating:150~180%, Time:60~90sec.

2.Peak Temp.:245[±]5%, Duration:5[±]0.5sec.

3. Cooling Speed: 2~10%/sec.

/ Resistance to Soldering Heat Test Conditions

260[±]5% 10[±]1 sec. Temp.:260[±]5% Time:10[±]1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 卷盘	卷盘 盒	只 盒	盒 箱	只 箱		盒	箱
						"		

/ Notices