

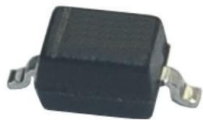
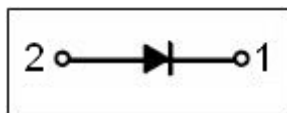
Rev.J Jan.-2019

SOD-323

Silicon Diode in a SOD-323 Plastic Package.

Fast switching diodes. HF Product.

Small signal diode.



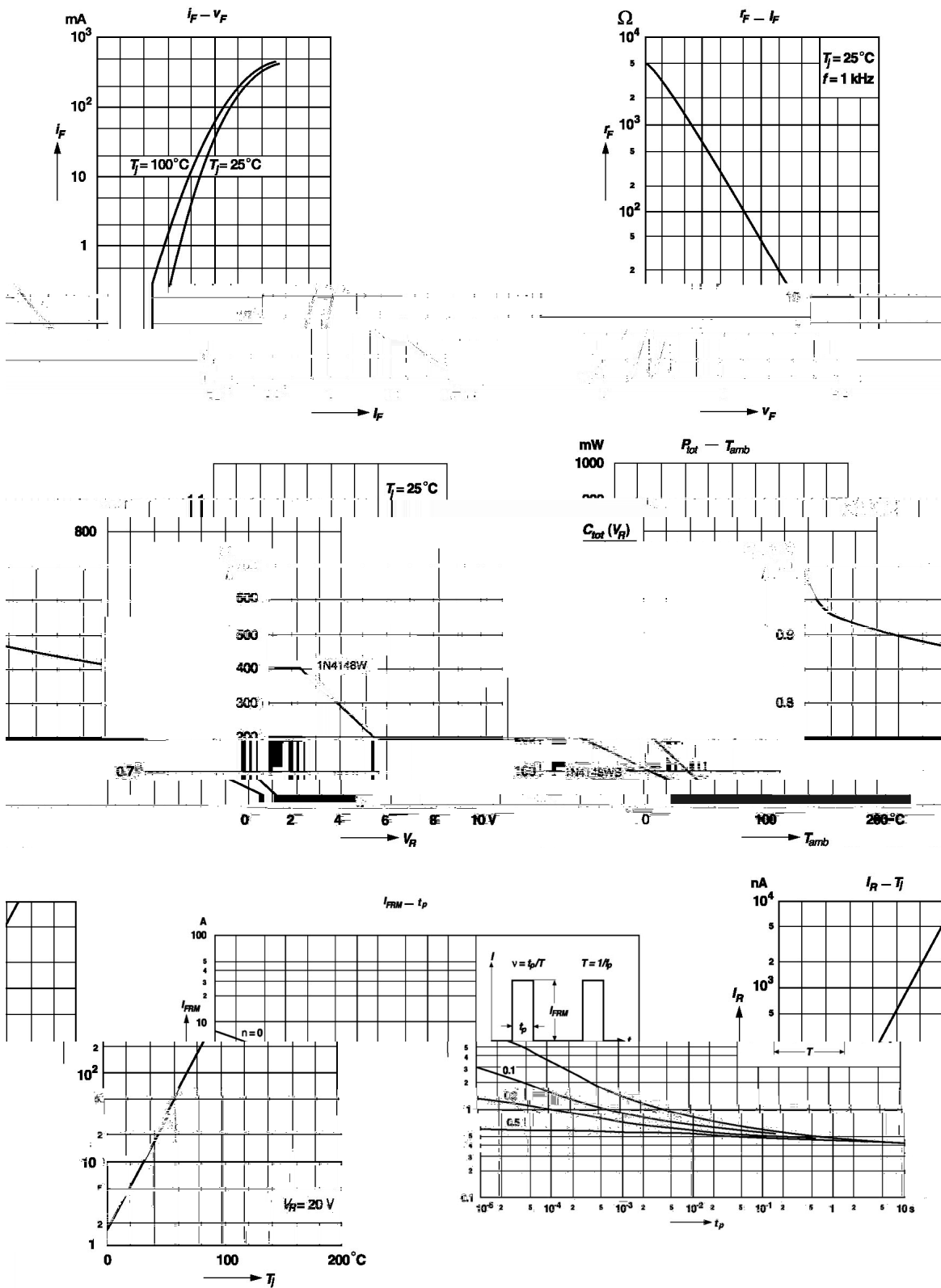
PIN1:Cathode

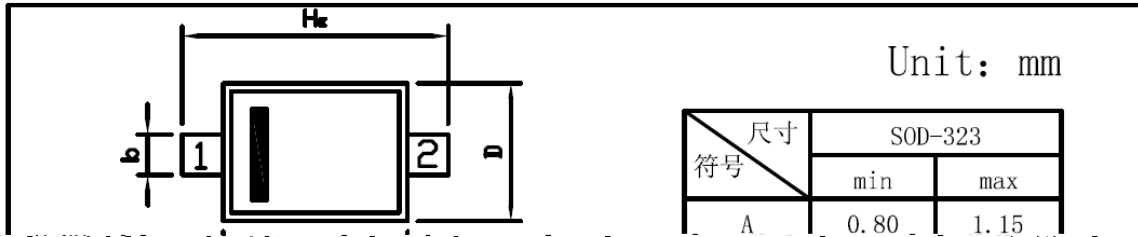
PIN2:Anode

Marking	HA2
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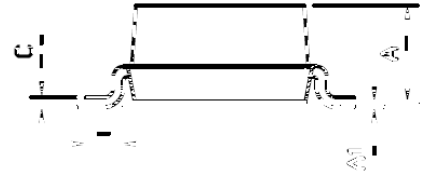
Parameter	Symbol	Rating	Unit
Reverse Voltage	$V_R$	75	V
Peak Reverse Voltage	$V_{RM}$	100	V
Average Rectified Output Current	$I_O$	150	mA
Forward Continuous Current	$I_{FM}$	300	mA
Non-Repetitive Peak Forward Surge Current	$I_{FSM} (t=1.0\mu s)$	2.0	A
	$I_{FSM} (t=1.0s)$	1.0	A
Power Dissipation	$P_{tot}$	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

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	$\mu A$
		$V_R=20V \quad T_j=150^\circ C$			50	$\mu A$
Capacitance	$C_{tot}$	$V_F=V_R=0V$			4	pF
Reverse Recovery Time	$t_{rr}$	$I_F=10mA \quad V_R=6.0V$ $I_R=1mA \quad R_L=100\Omega$			4	ns
Voltage Rise when Switching On tested	$V_{fr}$	$t_p=0.1\mu s \quad f_p=5to100kHz$ Time<30ns			2.5	V
Total Capacitance	$C_T$	$V_R=0 \quad f=1.0MHz$			2.0	pF



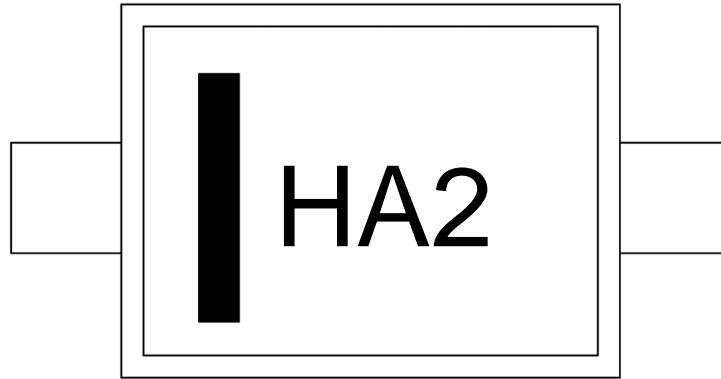


A1	0.00	0.20
b	0.25	0.40
C	0.08	0.18
D	1.20	1.40
E	1.40	1.80
He	2.50	2.80
L	0.20	0.45



IN J  
-323

PN: 1CA J 2A  
S J



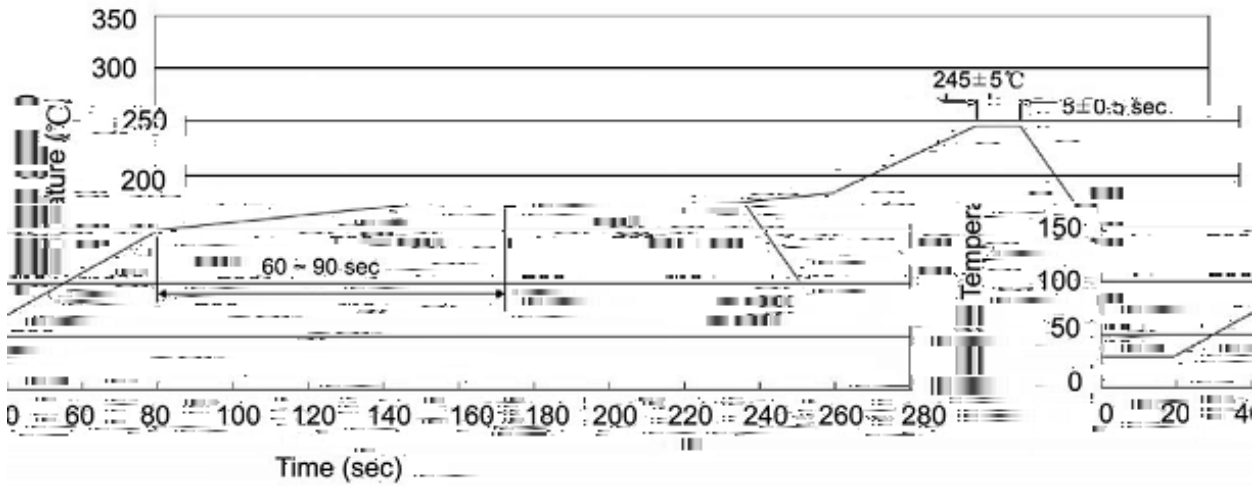
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Note:

H: Company Code.

A2: Product Type.


**Note:**

- |   |         |            |   |
|---|---------|------------|---|
| 1 | 150 180 | 60 90sec;  | 1.Preheating:150~180 , Time:60~90sec.     |
| 2 | 245..5  | 5..0.5sec; | 2.Peak Temp.:245..5 , Duration:5..0.5sec. |
| 3 | 2 10    | /sec.      | 3. Cooling Speed: 2~10 /sec.              |

260..5                      10..1 sec.                      Temp.:260..5                      Time:10..1 sec

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOD-323	3,000	10	30,000	6	180,000	7" x8	180x120x180	390x385x205