

5 é / Descriptions

SOD-323 .> // x J ' ! - } 8 â 'ož

Silicon Diode in a SOD-323 Plastic Package.

□^a / Features

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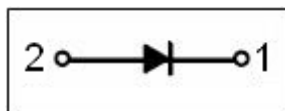
Fast switching diodes. HF Product.

Đ ÷ / Applications

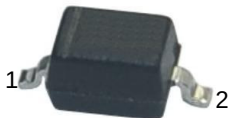
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Small signal diode.

Ã W] Ô · / Equivalent Circuit



• Ů - æ / Pinning



PIN1:Cathode

PIN2:Anode

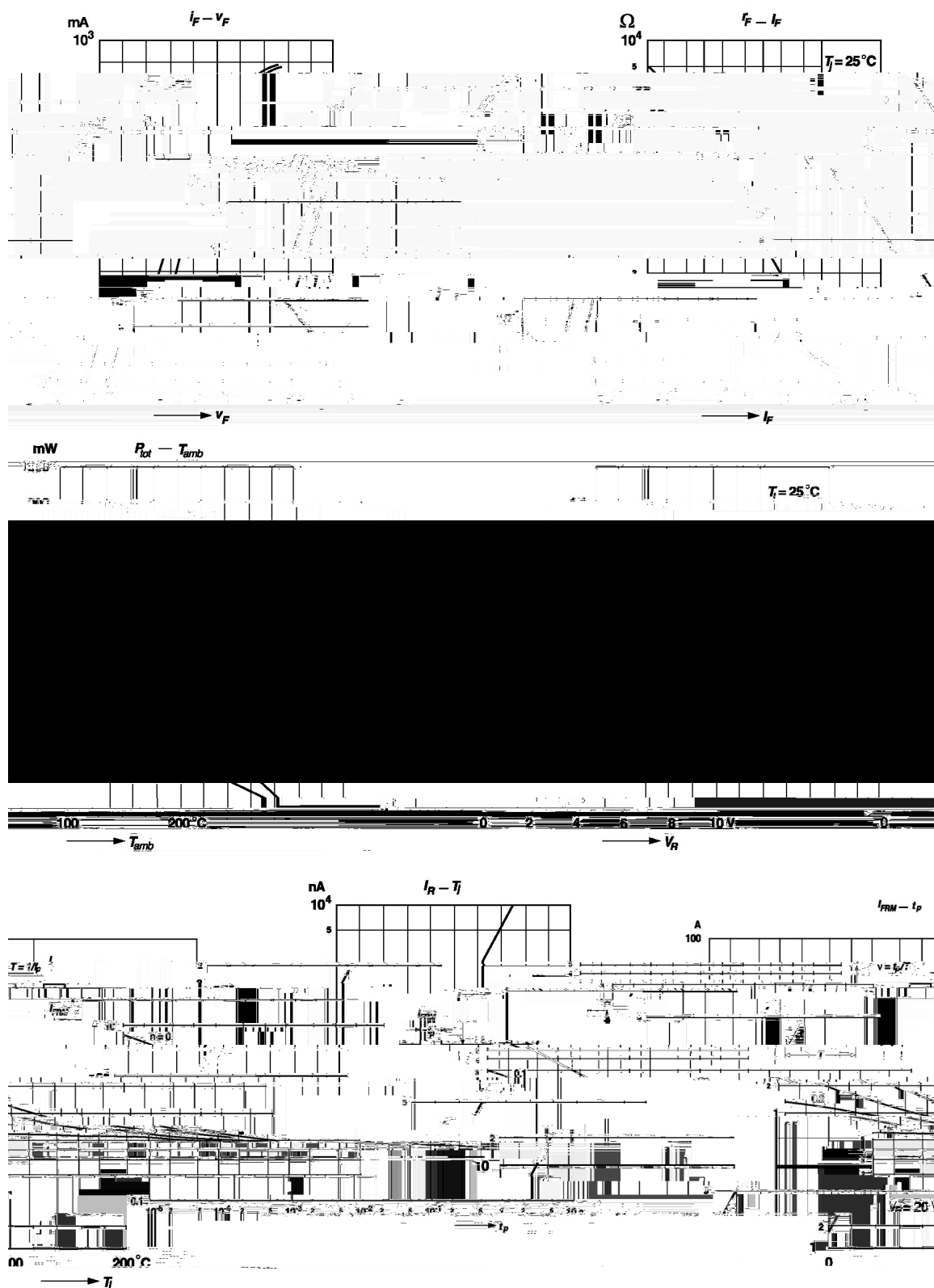
Z Ü B , M V / h_{FE} Classifications & Marking

Marking	HA2

@ f Parameter	... Z Symbol	f > Rating	% y 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	$I_{FSM} \Delta t=1.0 \text{ s}$	2.0	A
	$I_{FSM} \Delta t=1.0 \text{ s}$	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_{JA}	625	/W

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Â ° > Typ	Â Ý > Max	% y Unit
Forward Voltage	V_F	$I_F=10\text{mA}$			1.0	V
Instantaneous Reverse Current	I_R	$V_R=20\text{V}$			25	nA
		$V_R=75\text{V}$			5	A
		$V_R=20\text{V} \quad T_j=150$			50	A
Capacitance	C_{tot}	$V_F=V_R=0\text{V}$			4	pF
Reverse Recovery Time	t_{rr}	$I_F=10\text{mA} \quad V_R=6.0\text{V}$ $I_R=1\text{mA} \quad R_L=100$			4	ns
Voltage Rise when Switching On tested	V_{fr}	$t_p=0.1 \text{ s} \quad f_p=5\text{to}100\text{kHz}$ Time<30ns			2.5	V
Total Capacitance	C_T	$V_R=0 \quad f=1.0\text{MHz}$			2.0	pF

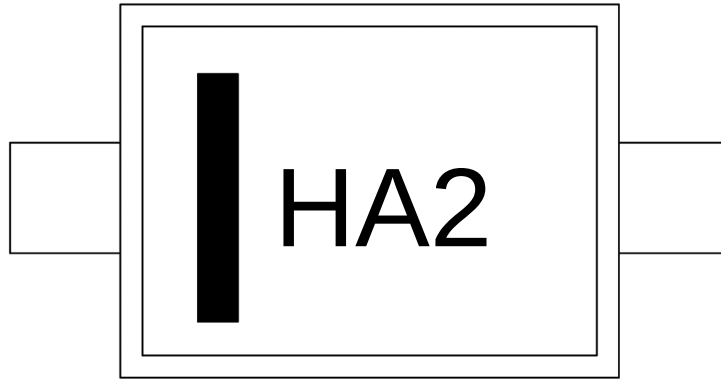
Electrical Characteristic Curve



Unit: mm

Part	Dimension
A	1.15
B	1.40
C	1.80
D	2.40
E	2.80
F	3.20
G	3.60
H	4.00
I	4.40
J	4.80
K	5.20
L	5.60
M	6.00
N	6.40
O	6.80
P	7.20
Q	7.60
R	8.00
S	8.40
T	8.80
U	9.20
V	9.60
W	10.00
X	10.40
Y	10.80
Z	11.20
AA	11.60
AB	12.00
AC	12.40
AD	12.80
AE	13.20
AF	13.60
AG	14.00
AH	14.40
AI	14.80
AJ	15.20
AK	15.60
AL	16.00
AM	16.40
AN	16.80
AO	17.20
AP	17.60
AQ	18.00
AR	18.40
AS	18.80
AT	19.20
AU	19.60
AV	20.00
AW	20.40
AX	20.80
AY	21.20
AZ	21.60
BA	22.00
BB	22.40
BC	22.80
BD	23.20
BE	23.60
BF	24.00
BG	24.40
BH	24.80
BI	25.20
BJ	25.60
BK	26.00
BL	26.40
BM	26.80
BN	27.20
BO	27.60
BP	28.00
BQ	28.40
BR	28.80
BS	29.20
BT	29.60
BU	30.00
BV	30.40
BW	30.80
BX	31.20
BY	31.60
BZ	32.00
CA	32.40
CB	32.80
CC	33.20
CD	33.60
CE	34.00
CF	34.40
CG	34.80
CH	35.20
CI	35.60
CJ	36.00
CK	36.40
CL	36.80
CM	37.20
CN	37.60
CO	38.00
CP	38.40
CQ	38.80
CR	39.20
CS	39.60
CT	40.00
CU	40.40
CV	40.80
CW	41.20
CX	41.60
CY	42.00
CZ	42.40
DA	42.80
DB	43.20
DC	43.60
DD	44.00
DE	44.40
DF	44.80
DG	45.20
DH	45.60
DI	46.00
DJ	46.40
DK	46.80
DL	47.20

Marking Instructions



Marking

Part Number [W A

Product Type ° Z W A

Note:

H: Company Code.

A2: Product Type.

