



/ Revised record

A	2022-8-9	all			

/ Descriptions

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

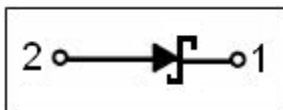
/ Features

Schottky diodes,HF Product.

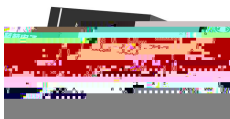
/ Applications

Small signal diode.

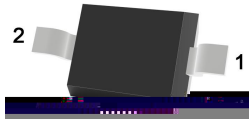
/ Equivalent Circuit



/ Pinning



PIN1:Cathode



PIN2:Anode

/ Marking

Marking	H86
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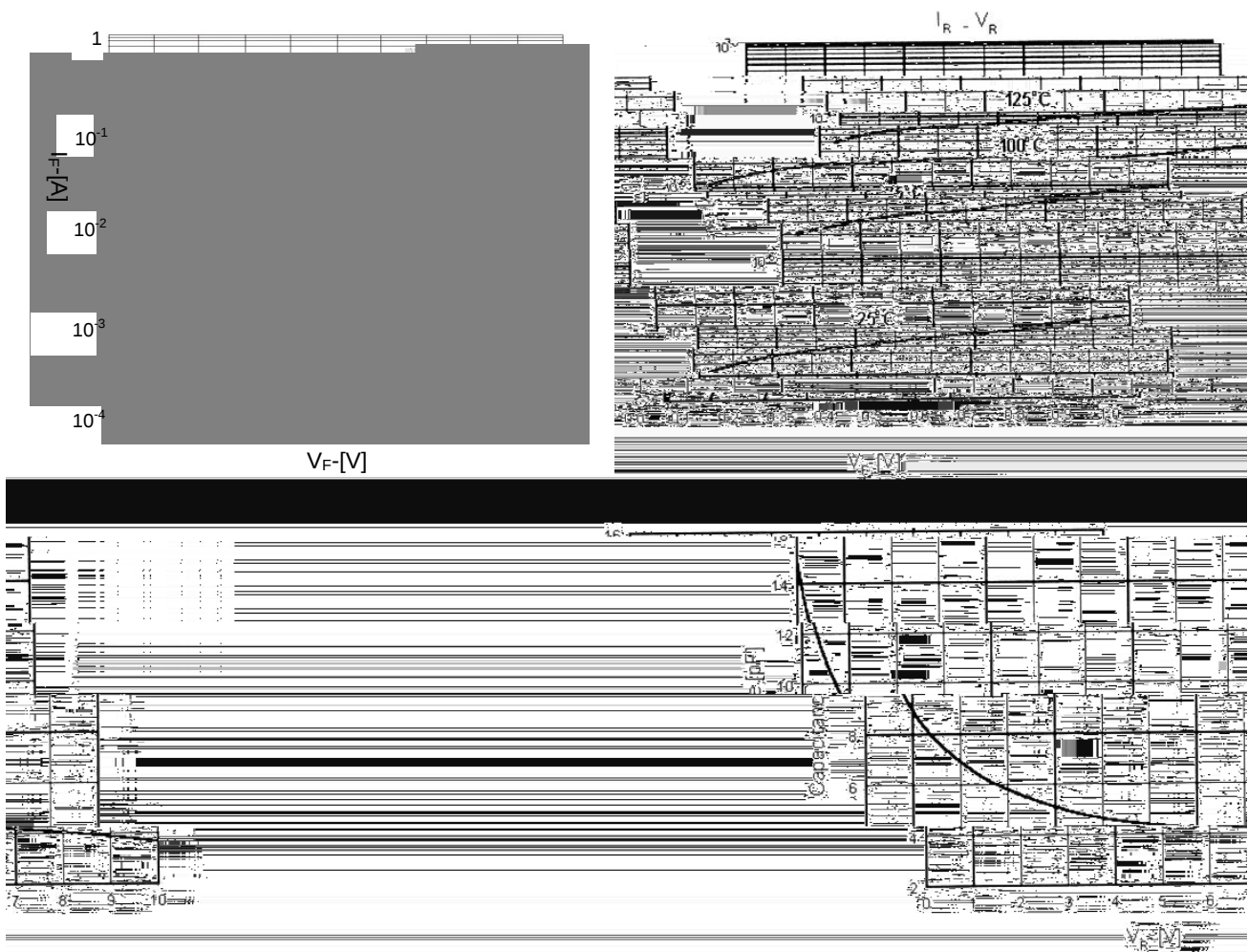
/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}	30	V
Continuous forward current	I_F	200	mA
Surge non repetitive forward current	I_{FSM}	600	mA
Power Dissipation	P_D	250	mW
Typical Thermal Resistance Junction to Ambient	$R_{\theta JA}$	430	$^{\circ}C/W$
Junction Temperature Range	T_J	150	$^{\circ}C$
Storage Temperature Range	T_{stg}	-55~150	$^{\circ}C$

/ Electrical Characteristics(Ta=25)

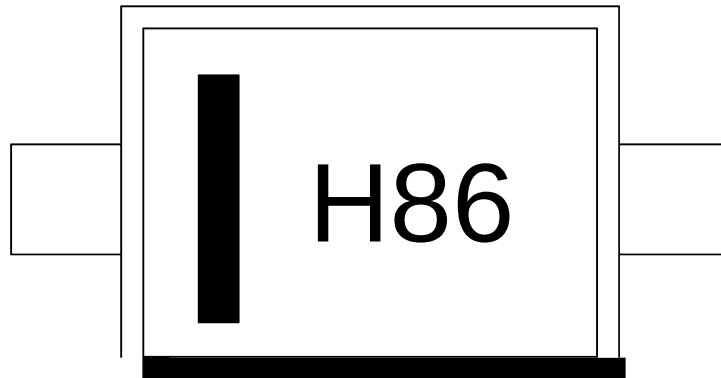
Parameter	Symbol	Test Conditions	Rating		Unit
			MIN	MAX	
Reverse Voltage	V_R	$I_R=10\mu A$	30		V
Peak Forward voltage	V_F	$I_F=0.1mA$		240	mV
		$I_F=1.0mA$		320	mV
		$I_F=10mA$		400	mV
		$I_F=30mA$		500	mV
		$I_F=100mA$		0.8	V
Instantaneous Reverse Current	I_R	$V_R=25V$		2.0	μA
Total capacitance	C_T	$V_R=1.0V$ $f=1.0MHz$		10	pF
Reverse recovery time	t_{rr}	$I_{RR}=1.0mA$ $R_L=100\Omega$ $I_F=10mA$		5.0	ns

/ Electrical Characteristic Curve



BAT54WS
Rev.A Aug.-2022

/ Marking Instructions



说明：

H： 为公司代码

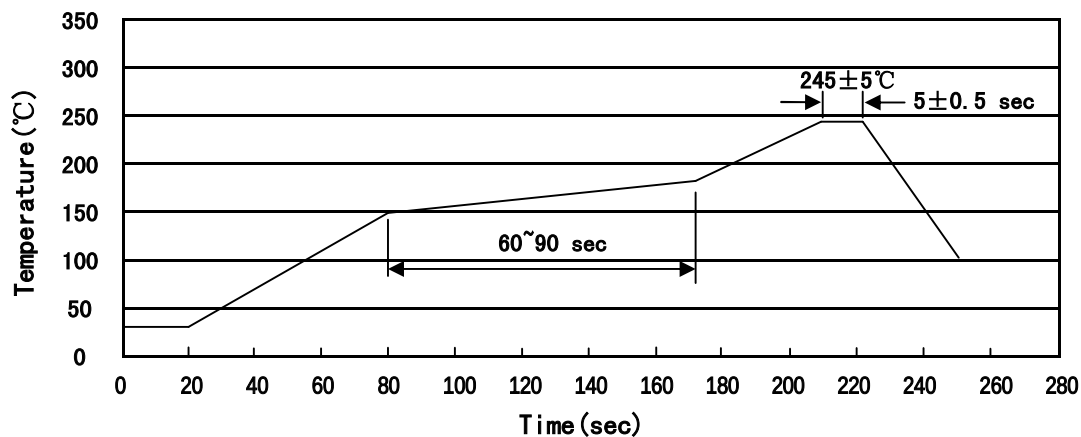
86： 为型号代码

Note:

H: Company Code

86: Product Type

() / **Temperature Profile for IR Reflow Soldering(Pb-Free)**



Note:

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

/ **Resistance to Soldering Heat Test Conditions**

260±5°C 10±1 sec. Temp.:260±5°C Time:10±1 sec

/ **Packaging SPEC.**

/ REEL

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

/ **Notices**