

📄 / Descriptions

SOD-523

Schottky Diode in a SOD-523 Plastic Package.

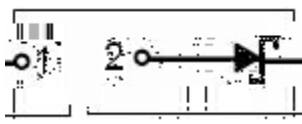
🔑 / Features

Low forward voltage drop, HF Product.

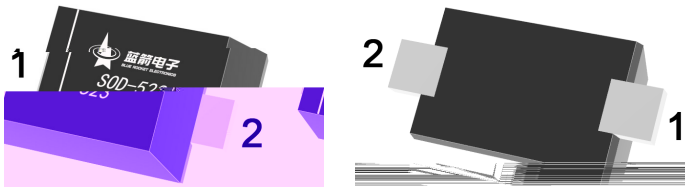
📌 / Applications

General purpose.

🔌 ⚡ / Equivalent Circuit



📌 / Pinning



PIN1: Cathode

PIN2: Anode

🏷️ / Marking

Type number	Marking code
RB520S-30	B

绝对最大值 / Absolute Maximum Ratings(Ta=25 ℃)

Parameter	Symbol	Rating	Unit
Reverse Voltage	V _R	30	V
Forward Continuous Current	I _F	200	mA
Non-Repetitive Peak Forward Surge Current @t = 8.3ms	I _{FSM}	1	A
Power dissipation	P _D	200	mW
Junction Temperature	T _J	125	
Storage Temperature	T _{stg}	-55 to +125	

电 气 特 性 / Electrical Characteristics(Ta=25 ℃)

Parameter	Symbol	Test Conditions	Rating			Unit
Reverse Breakdown Voltage	V _{BR}	I _R =500 μA	30			V
Forward Voltage	V _F	I _F =200mA			0.60	V
Peak Reverse Current	I _R	V _R =10V			1.0	μA

Electrical Characteristic Curve

Fig.1 Power Derating Curve

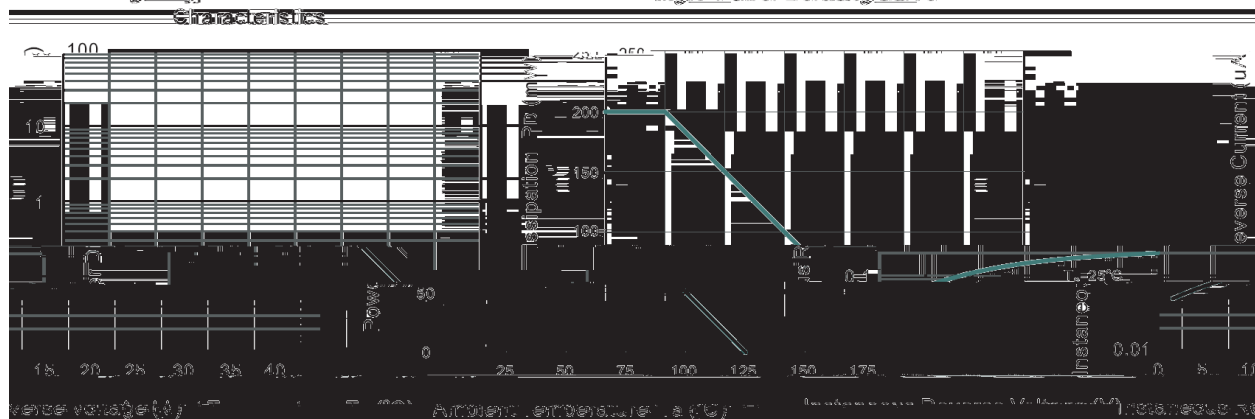


Fig.2 Typical Instantaneous Reverse

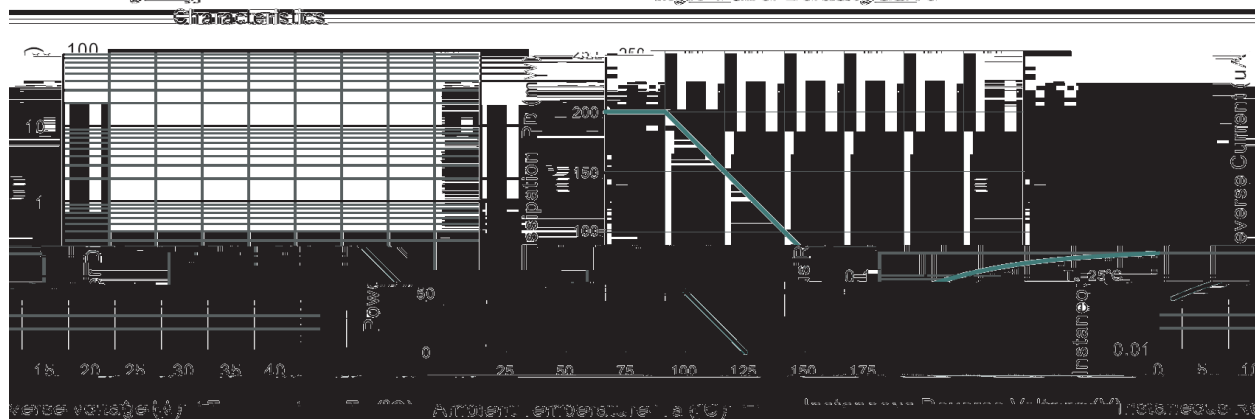
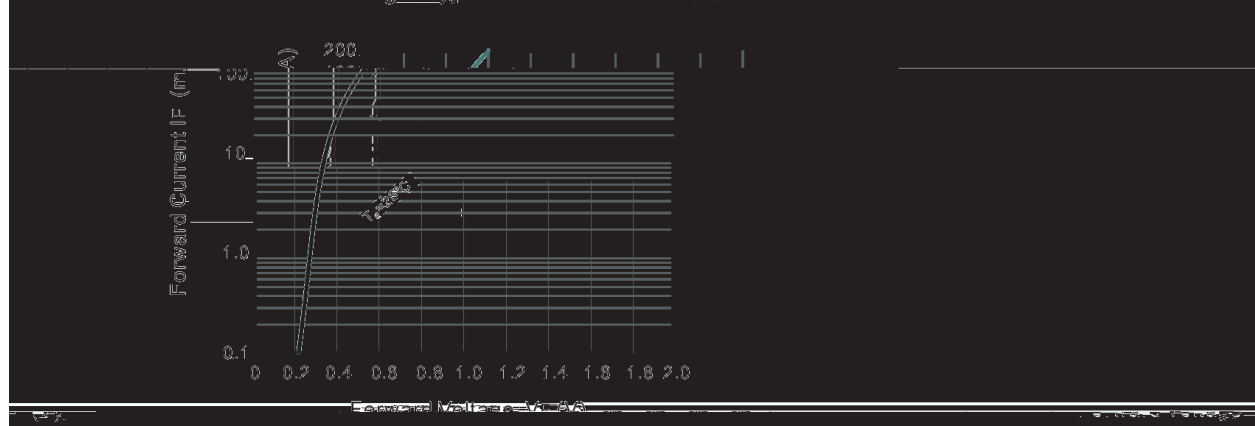
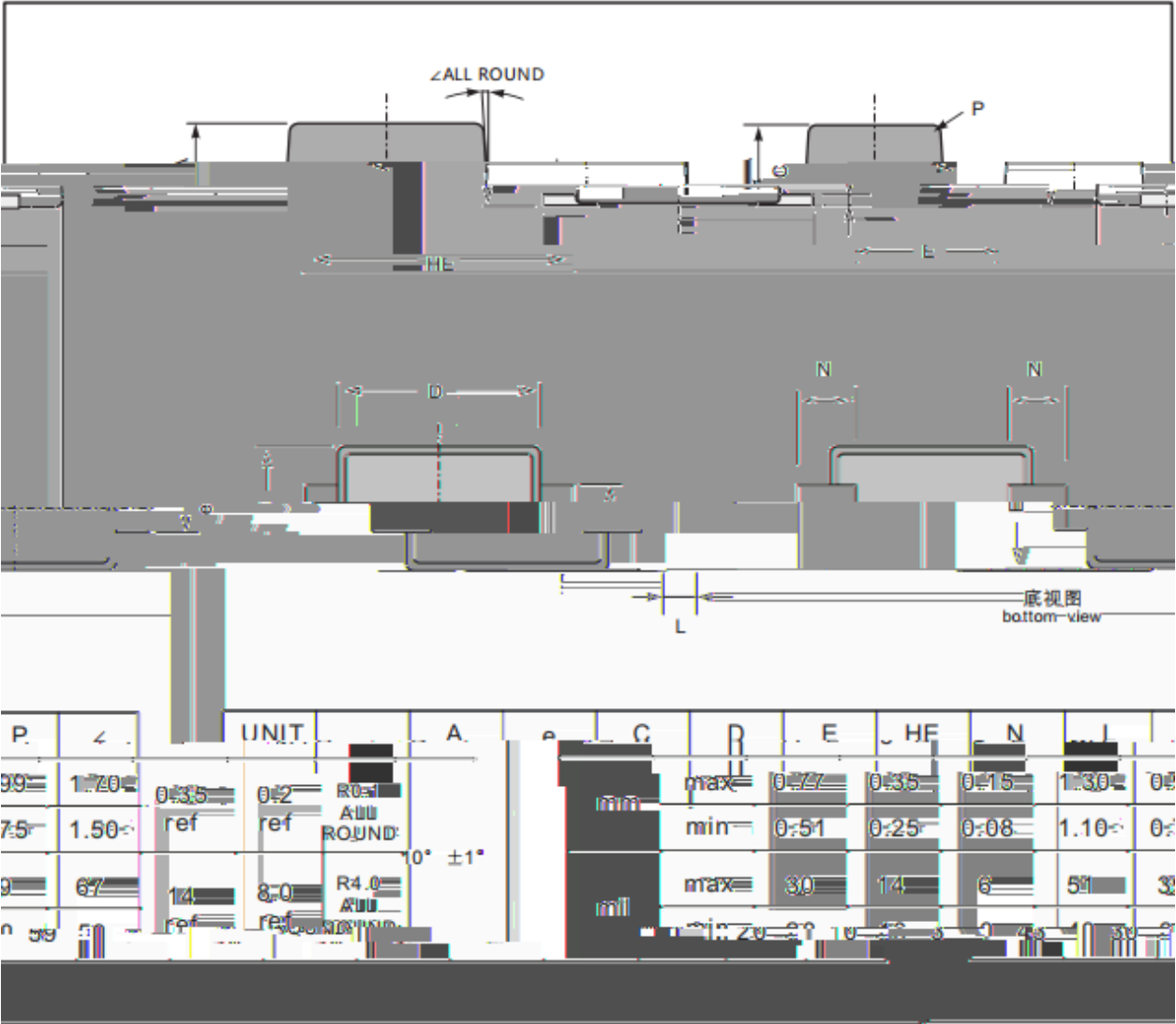


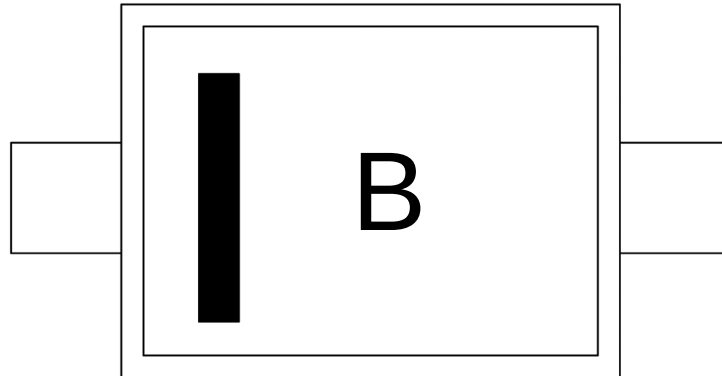
Fig.3 Typical Forward Characteristic



⌠ ⌡ ⌢ ⌣ ⌤ ⌥ ⌦ ⌧ ⌨ 〈 〉 ⌫ ⌬ ⌭ ⌮ ⌯ ⌰ ⌱ ⌲ ⌳ ⌴ ⌵ ⌶ ⌷ ⌸ ⌹ ⌺ ⌻ ⌼ ⌽ ⌾ ⌿ Ⓚ Ⓛ Ⓜ Ⓨ Ⓩ ⓐ ⓑ ⓓ ⓔ ⓖ ⓗ ⓘ ⓙ ⓚ ⓛ ⓞ ⓟ ⓠ ⓡ ⓢ ⓣ ⓤ ⓥ ⓦ ⓧ ⓨ ⓩ ⓪ ⓫ ⓬ ⓭ ⓮ ⓯ ⓰ ⓱ ⓲ ⓳ ⓴ ⓵ ⓶ ⓷ ⓸ ⓹ ⓺ ⓻ ⓼ ⓽ ⓾ ⓿ / Package Dimensions
SOD-523



4. 1. 1 / Marking Instructions



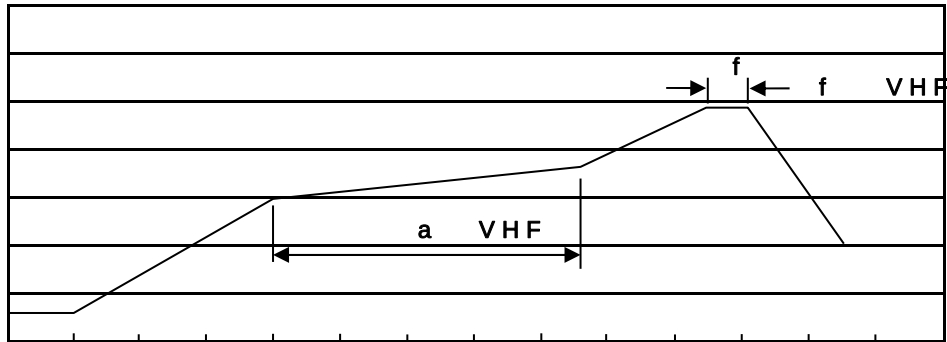
B

Note:

B : Product Type

7HP SHUDDWXUH Suriloh i ru LU Uhior z Vroghulqj+Se0luhh,

7HP SHUDDWXUH



7 LPH VHF

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. |

Resistance to Soldering Heat Test Conditions

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

Packaging SPEC.

/ REEL

Package Type 7>û~E	Units ;>û!H					Dimension ;>û p . (unit /mm³)		
	Units/Reel /-	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box	Outer Boxç
SOD-523	3,000	10	30,000	6	180,000	7 p ×8	180×120×180	390×385×205

ä v L"Q / Notices