"Yت / Descriptions

SOD-523
Schottky Diode in a SOD-523 Plastic Package.

◕ È / Features

Low forward voltage drop, HF Product.

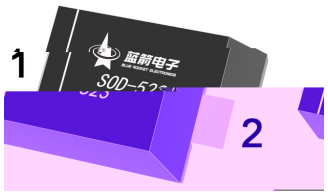
४ ڍ / Applications

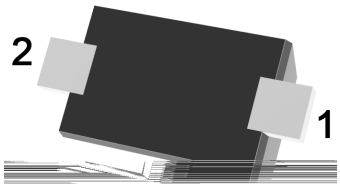
General purpose.

Л ف ق ≠ ع / Equivalent Circuit



ã ﻉ ŭ˜ / Pinning





PIN1: Cathode PIN2: Anode

ł. ʜ ב / Marking

Type number	Marking code
RB520S-30	B

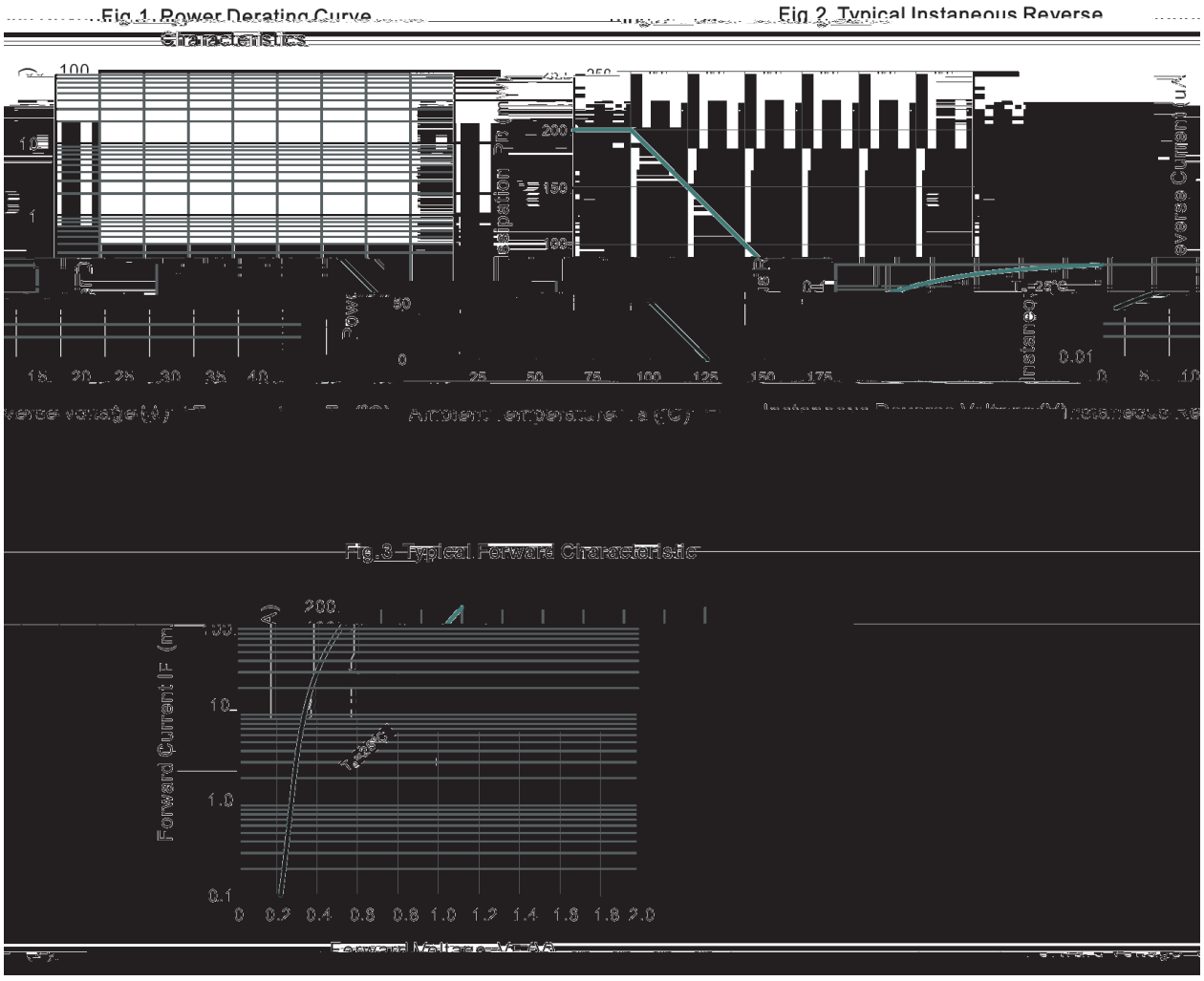
ώ ̈ Ξ ̃Ạ / Absolute Maximum Ratings(Ta=25 ɹ)

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	Tstg	-55 to +125	

⸗ ∕ Ξ ̃Ạ / Electrical Characteristics(Ta=25 ɹ)

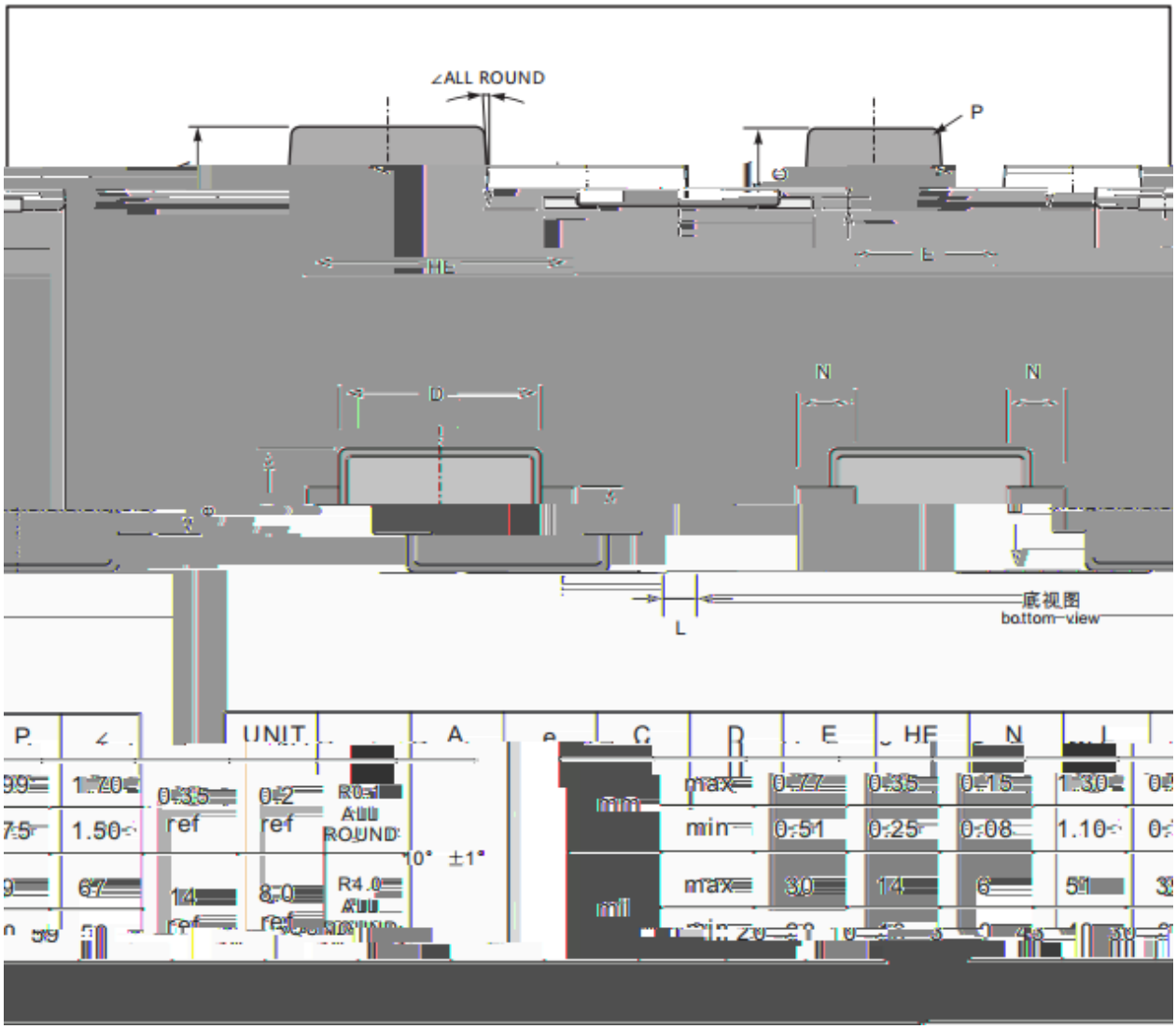
Parameter	Symbol	Test Conditions	Rating			Unit
Reverse Breakdown Voltage	V_{BR}	I_R=500 A	30			V
Forward Voltage	V_F	I_F=200mA			0.60	V
Peak Reverse Current	I_R	V_R=10V			1.0	μA

≠ ∃ ÃΆ´E ∀ ƒ / Electrical Characteristic Curve

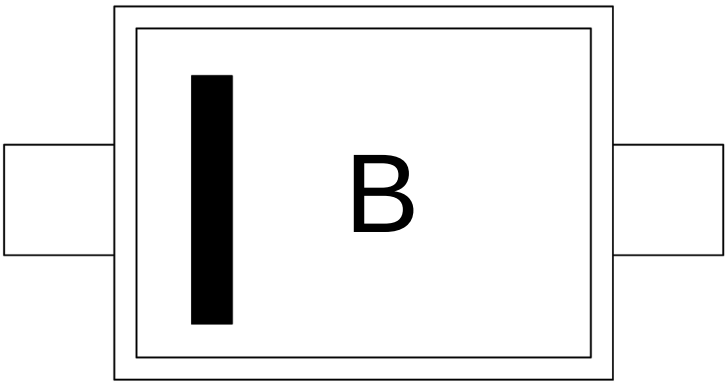


ᵘ Ė Ồ Ļ ƒ / Package Dimensions

SOD-523



Ł. Ł Ω / Marking Instructions

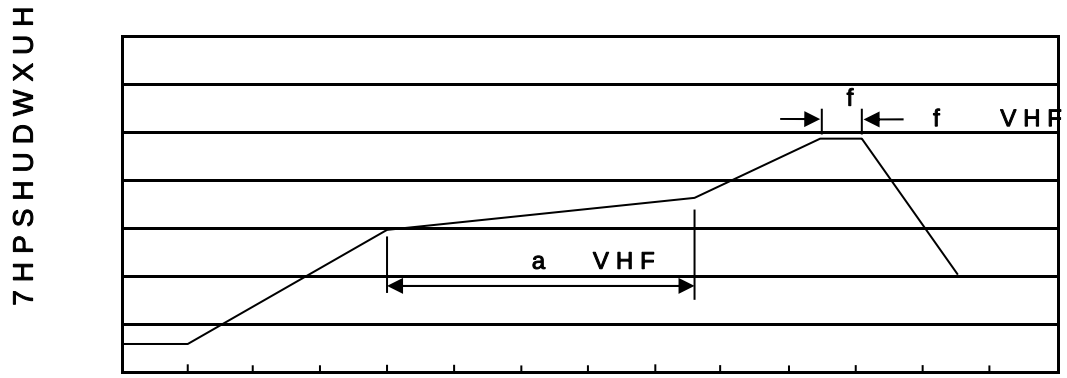


B

Note:

B : Product Type

ℎ ∫ ╕ẃ´E ∀ ƒ (ώ ƨ) / Wh p shudwxuh Surilοh iru LU Uhiοr z Vrοghulqj+Se0luhh,



7LPH 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.

⊣ ŭ ɋ ‗ Ỳ Ţ / Resistance to Soldering Heat Test Conditions

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

ɒ Ŀ ≤— / Packaging SPEC.

/ REEL

Package Type 7>û ˜ E	Units ;>û ¦H					Dimension ;>û p . (unit Æmm³)		
	Units/Reel / --	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box×	Outer Box1ç
SOD-523	3,000	10	30,000	6	180,000	7 ρ ×8	180×120×180	390×385×205

ä ∀ Ļ Ѽ / Notices