

BAV23A/C/S
Rev.H Nov.-2023

Silicon Diode in a SOT-23 Plastic Package.

Small signal diode, HF Product.

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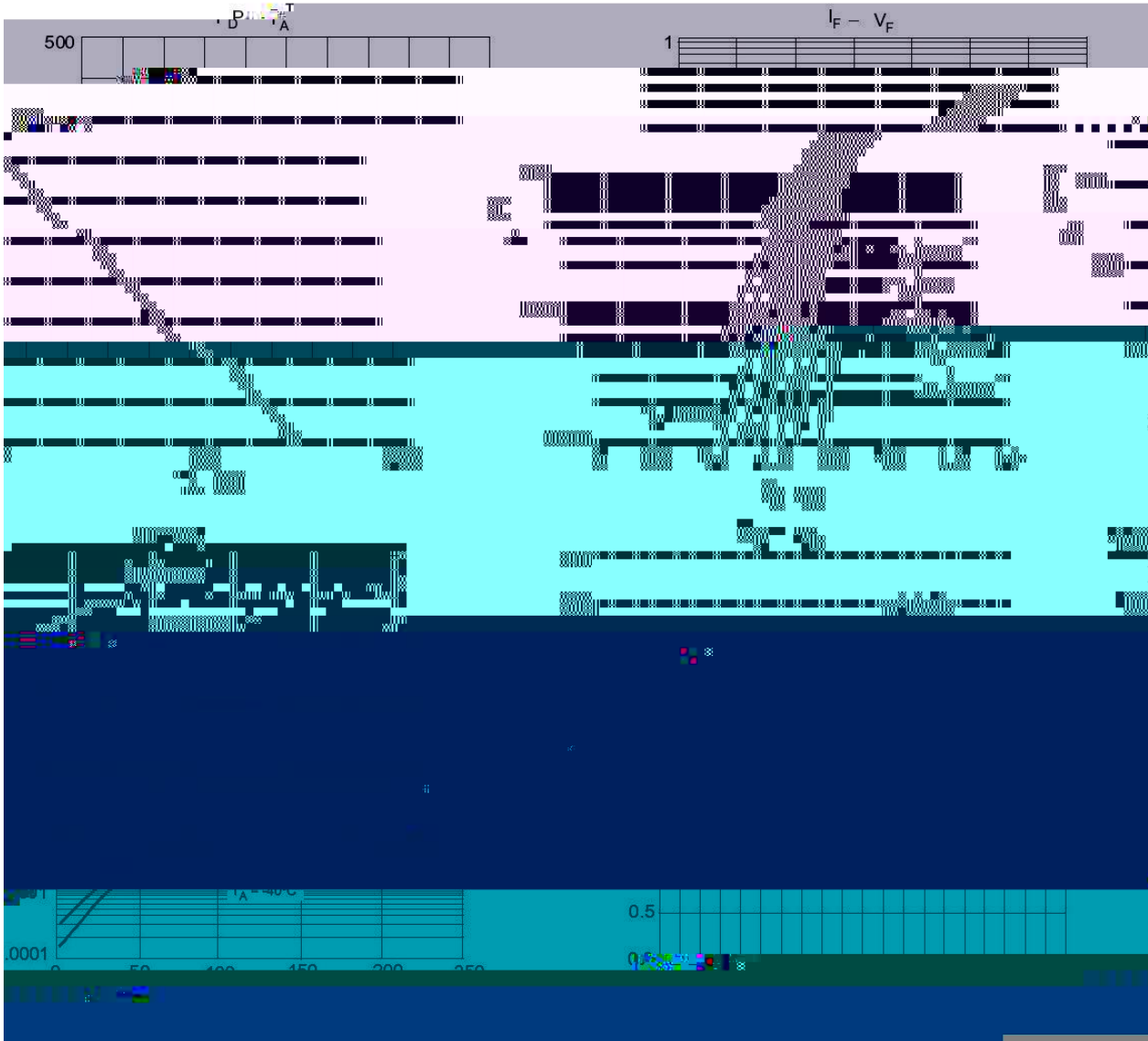


DATA SHEET

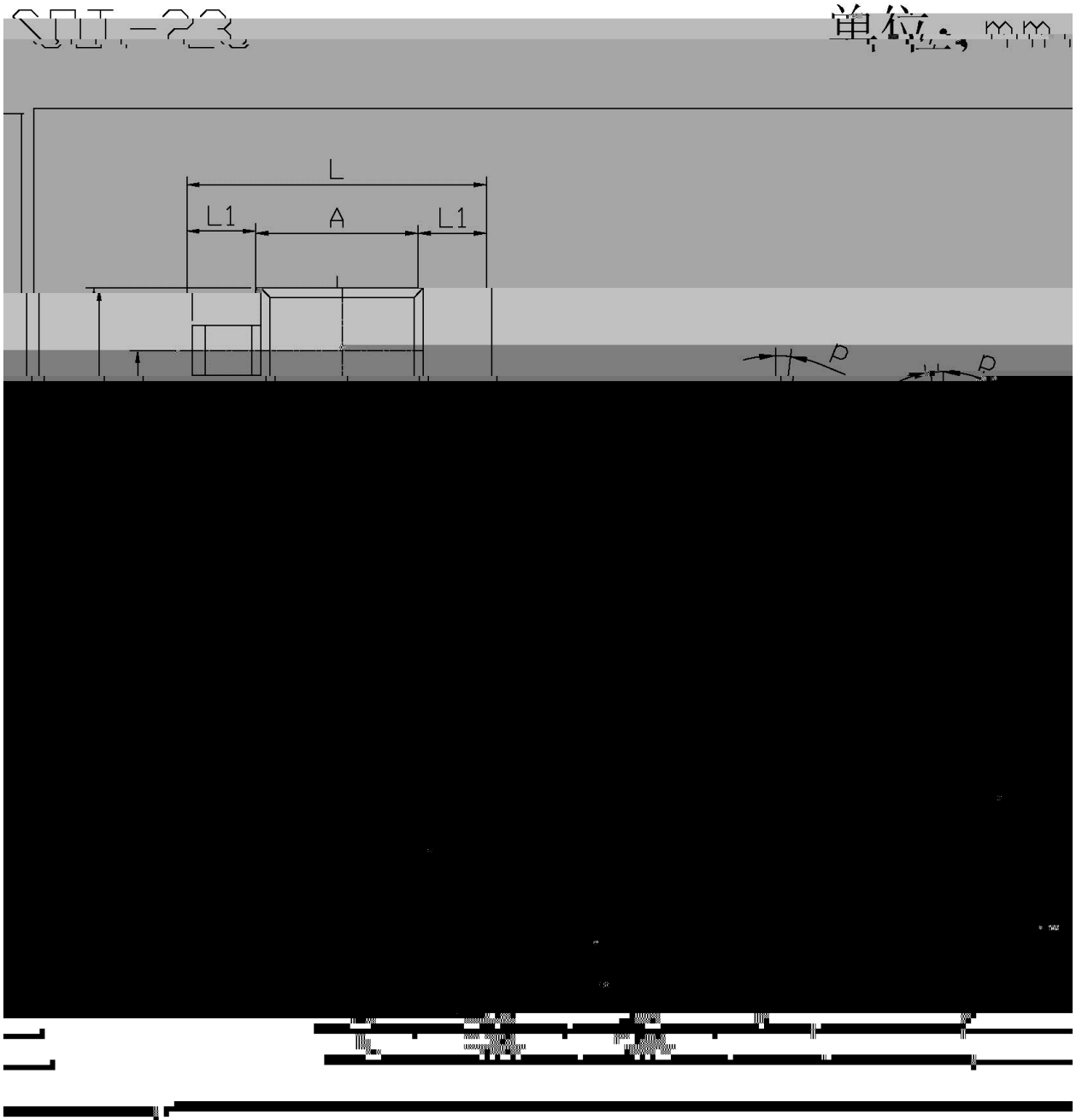
Parameter	Symbol	Rating	Unit
Repetitive Reverse Voltage	V_{RRM}	250	V
Reverse Voltage	V_R	200	V
Working Peak Reverse Voltage	V_{RWM}		
RMS Reverse Voltage	$V_{R(RMS)}$	141	V
Average Rectified Forward Current	I_{FM}	400	mA
Non-repetitive Peak Forward Surge Current	$I_{FSM(1)}$ (pulse width=1.0 uS)	9.0	A
	$I_{FSM(2)}$ (pulse width=100uS)	3.0	A
	$I_{FSM(3)}$ (pulse width=10ms)	1.7	A
Repetitive Peak Forward Surge Current	I_{FRM}	625	mA
Power Dissipation	P_D	350	mW
Thermal Resistance, Junction to Ambient	R	357	/W
Junction and Storage Temperature Range	T_j, T_{stg}	-65 150	

Parameter	Symbol	Test Conditions	gaRiL
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/ Electrical Characteristic Curve



/ Package Dimensions



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|---|---------|-----------|--|
| 1 | 150 180 | 60 90sec; | Note:
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	Units	Dimension	(unit mm ³)
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