

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

Silicon Diode in a SOT-23 Plastic Package.

Small signal diode, HF Product.

# BAV23A/C/S

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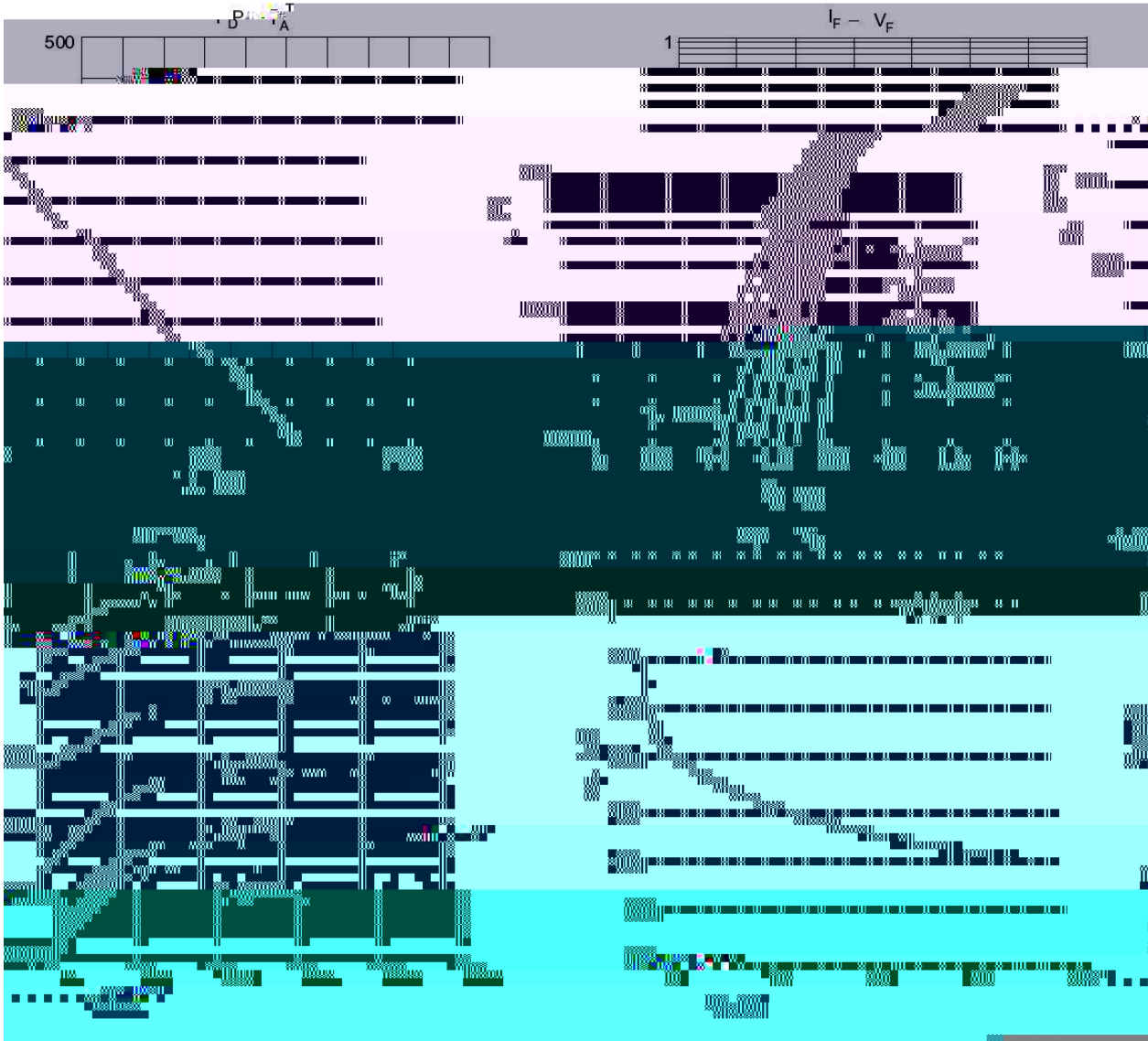


DATA SHEET

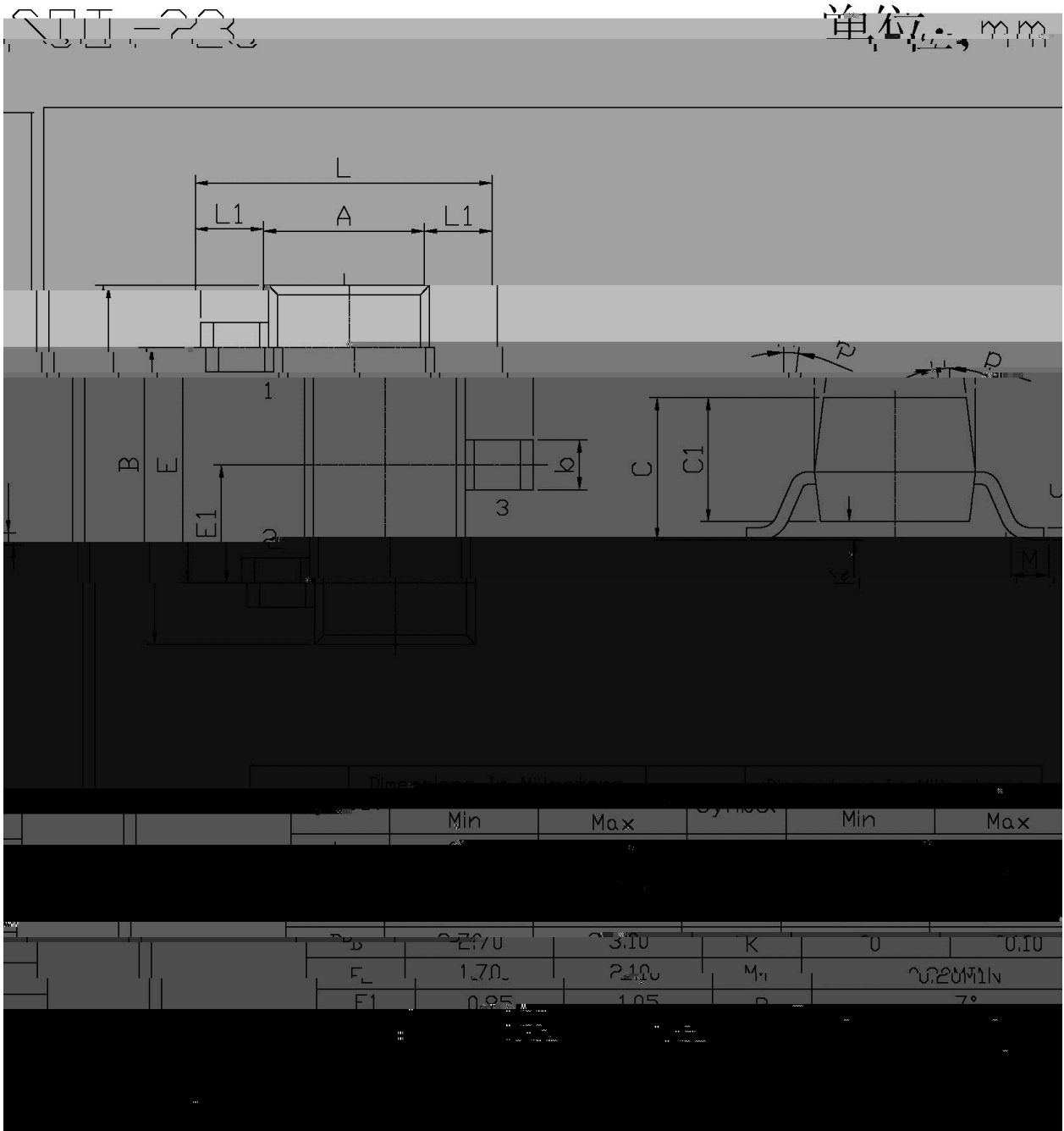
Parameter	Symbol	Rating	Unit
Repetitive Reverse Voltage	$V_{RRM}$	250	V
Reverse Voltage	$V_R$	200	V
Working Peak Reverse Voltage	$V_{RWM}$		
RMS Reverse Voltage	$V_{R(RMS)}$	141	V
Average Rectified Forward Current	$I_{FM}$	400	mA
Non-repetitive Peak Forward Surge Current	$I_{FSM(1)}$ (pulse width=1.0 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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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.**

/ ~~UNREEL~~ 7

Package Type	Units	Dimension	(unit mm <sup>3</sup> )
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