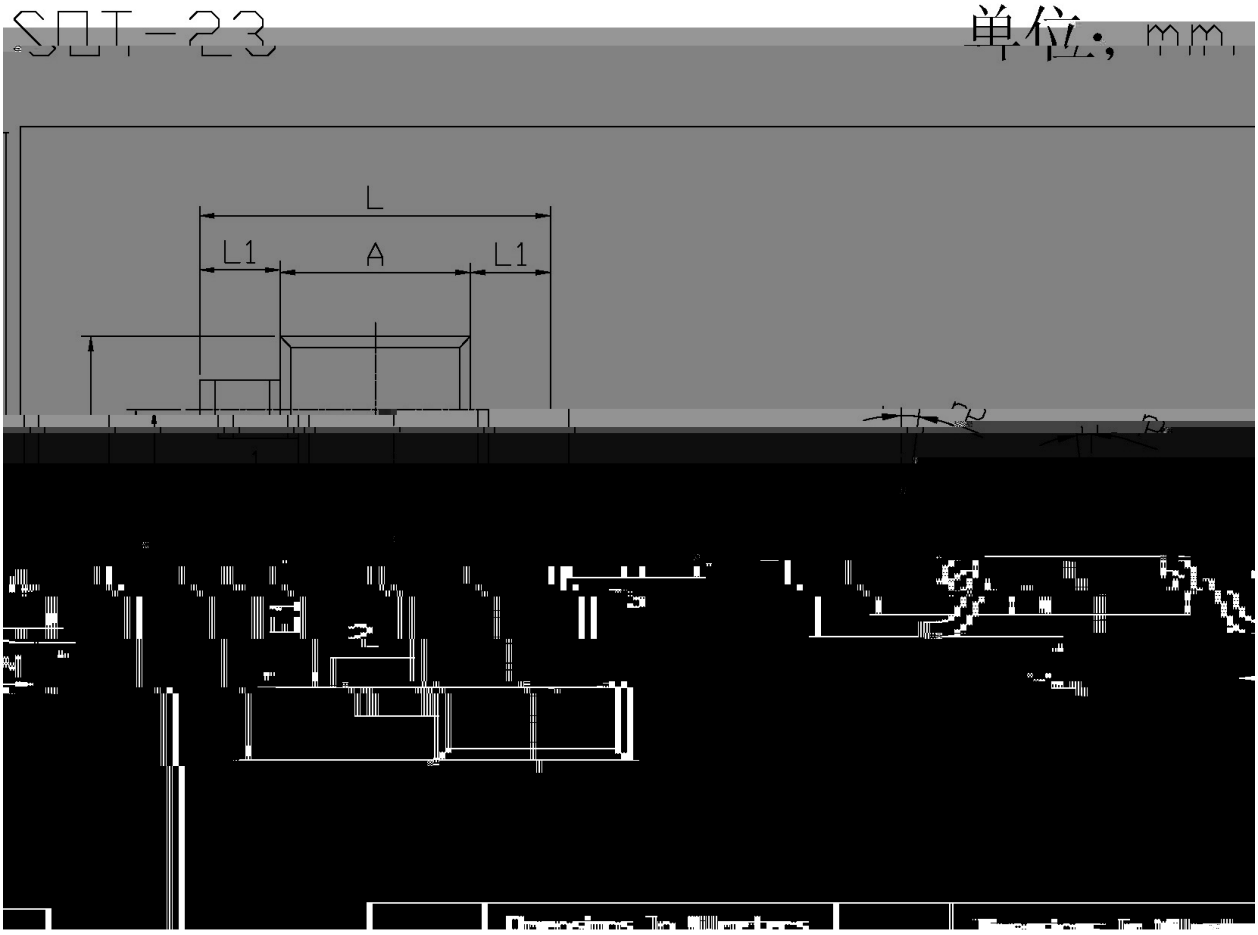
v ̈Ω̣ Parameter	ɬ N Symbol	̈Ω̣Ö Rating	D Ɉ Unit
Collector to Base Voltage	V_{CBO}	40	V
Collector to Emitter Voltage	V_{CEO}	25	V
Emitter to Base Voltage	V_{EBO}	6.0	V
Collector Current	I_C	1.5	A
Base Current	I_B	0.5	A
Collector Power Dissipation	P_C	300	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

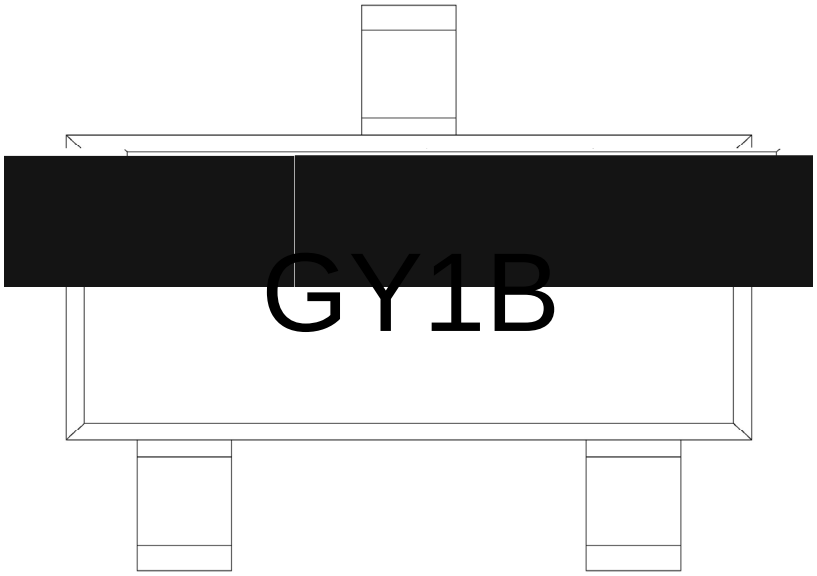
v ̈Ω̣ Parameter	ɬ N Symbol	⊥ ⁝ ̊ Ţ Test Conditions	ω̣ ṇ Ö Min	Ɛ ʒ Ö Typ	ω̣ ᶻ Ö Max	D Ɉ Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=0.1mA I_E=0	40			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=2.0mA I_B=0	25			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=0.1mA I_C=0	6.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=35V I_E=0			0.1	μA
Emitter Cut-Off Current	I_{EBO}	V_{EB}=6.0V I_C=0			0.1	μA
	$h_{FE(1)}$	V_{CE}=1.0V I_C=100mA	85		300	
DC Current Gain	$h_{FE(2)}$	V_{CE}=1.0V I_C=800mA	40			

8050MG

/ Package Dimensions



/ Marking Instructions



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Note:

J χ Halogen Free Product Code

\4 χ Product Type Code

E χ h_{FE} Classifications Symbol Code

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