9014M

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	50	V
Collector to Emitter Voltage	V_{CEO}	45	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current	I_C	100	mA
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=0.1mA I_E=0	50			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=1.0mA I_B=0	45			V
Emitter to Base Breakdown [redacted]	[redacted]	[redacted]	5.0			V

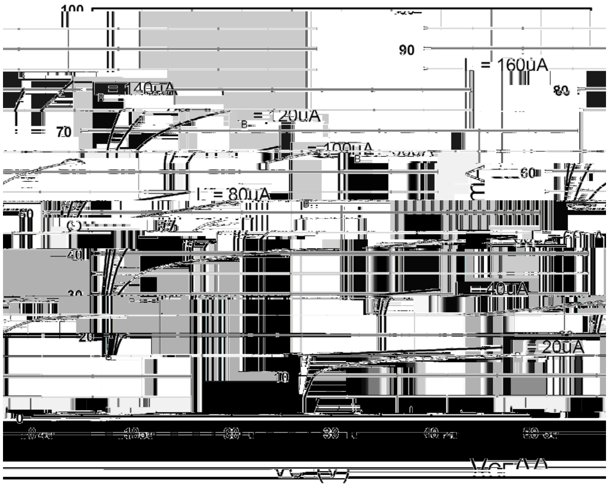
Collector Cut-Off Current I_{CBO} V_{CB} I_E=0 Tw(EBO)Tj10.4958 0 0 10.5 0.35 2.248500.6593 Tm0

[redacted]

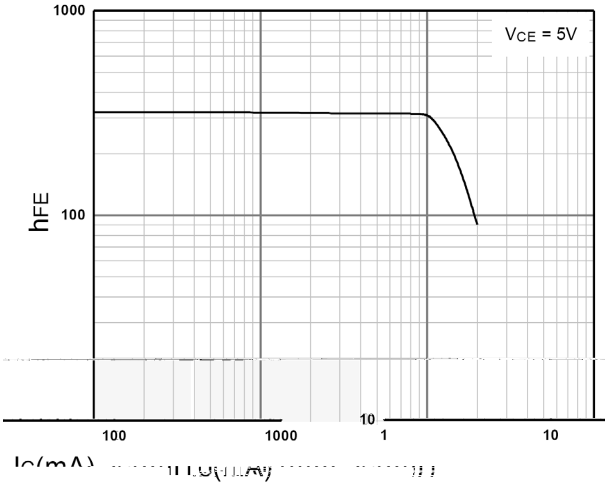
[redacted]

/ Electrical Characteristic Curve

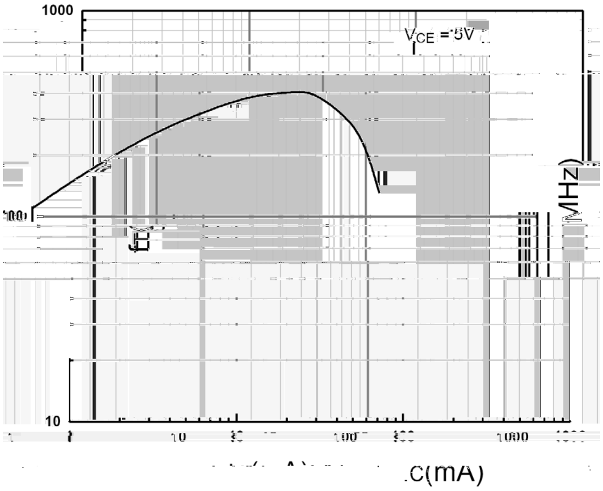
Ic - VCE



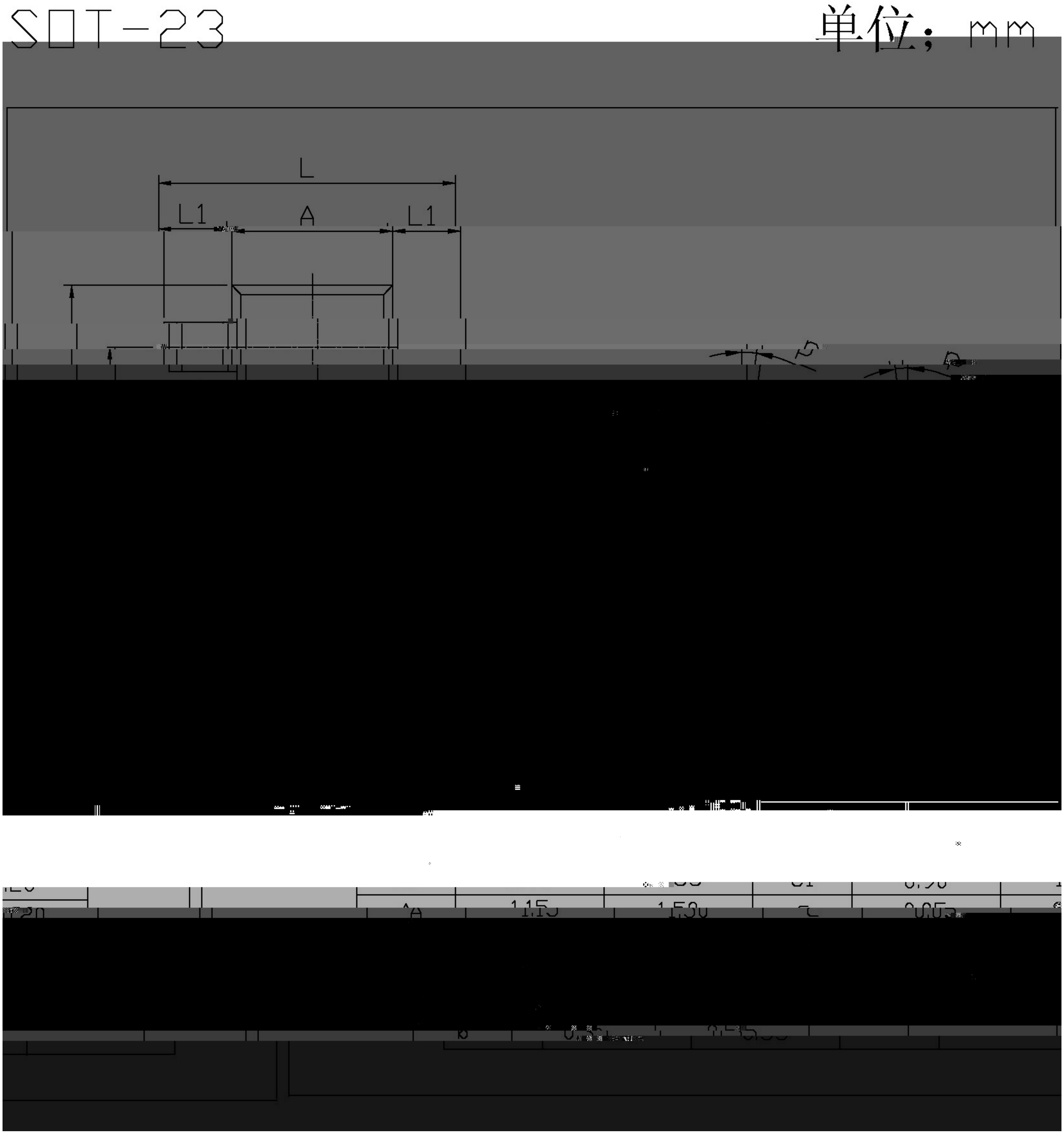
hFE - Ic



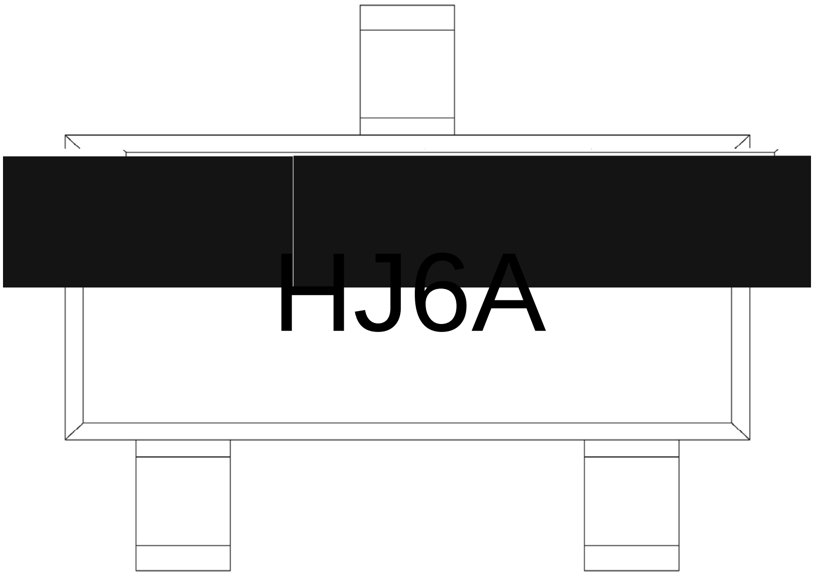
fT - Ic



/ Package Dimensions



/ Marking Instructions



[redacted]

H

J6

A hFE

Note:

H	Company Code
J6	Product Type Code
A	h_{FE} Classifications Symbol Code

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

1 150 180 60 90sec;
2 245±5 5±0.5sec;
3 2 10 /sec.

1.Preheating:150~180 , Time:60~90sec.
2.Peak Temp.:245±5 , Duration:5±0.5sec.
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