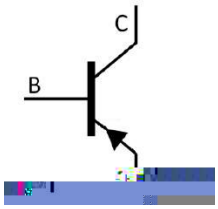
WR0<5 ṂṂ Ḅ SQS ÆṀ ч s ‖ ㄱ Silicon PNP transistor in a TO-92 Plastic Package.

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Low Leakage current, Low collector saturation voltage.

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General amplifier.





PIN1 χ Collector PIN 2 χ Base PIN 3 χ Emitter

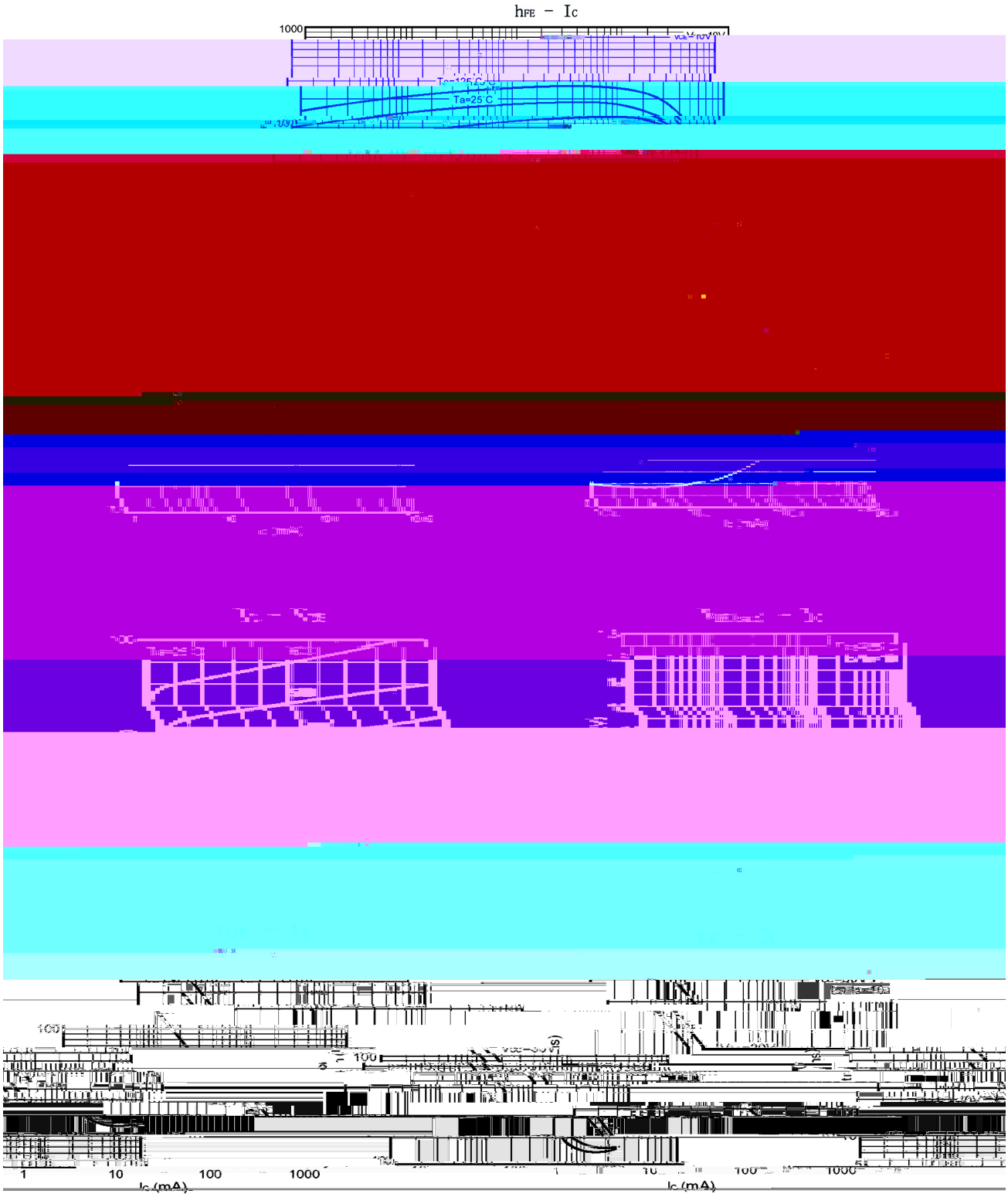
ծ м ㄱ ب ˝ See Marking Instructions

v ‘Ω Parameter	ϒ N Symbol	‘Ω Ö Rating	D Ђ Unit
Collector to Base Voltage	V_{CBO}	-60	V
Collector to Emitter Voltage	V_{CEO}	-60	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-600	mA
Collector Power Dissipation	P_C	625	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 Ќ 150	

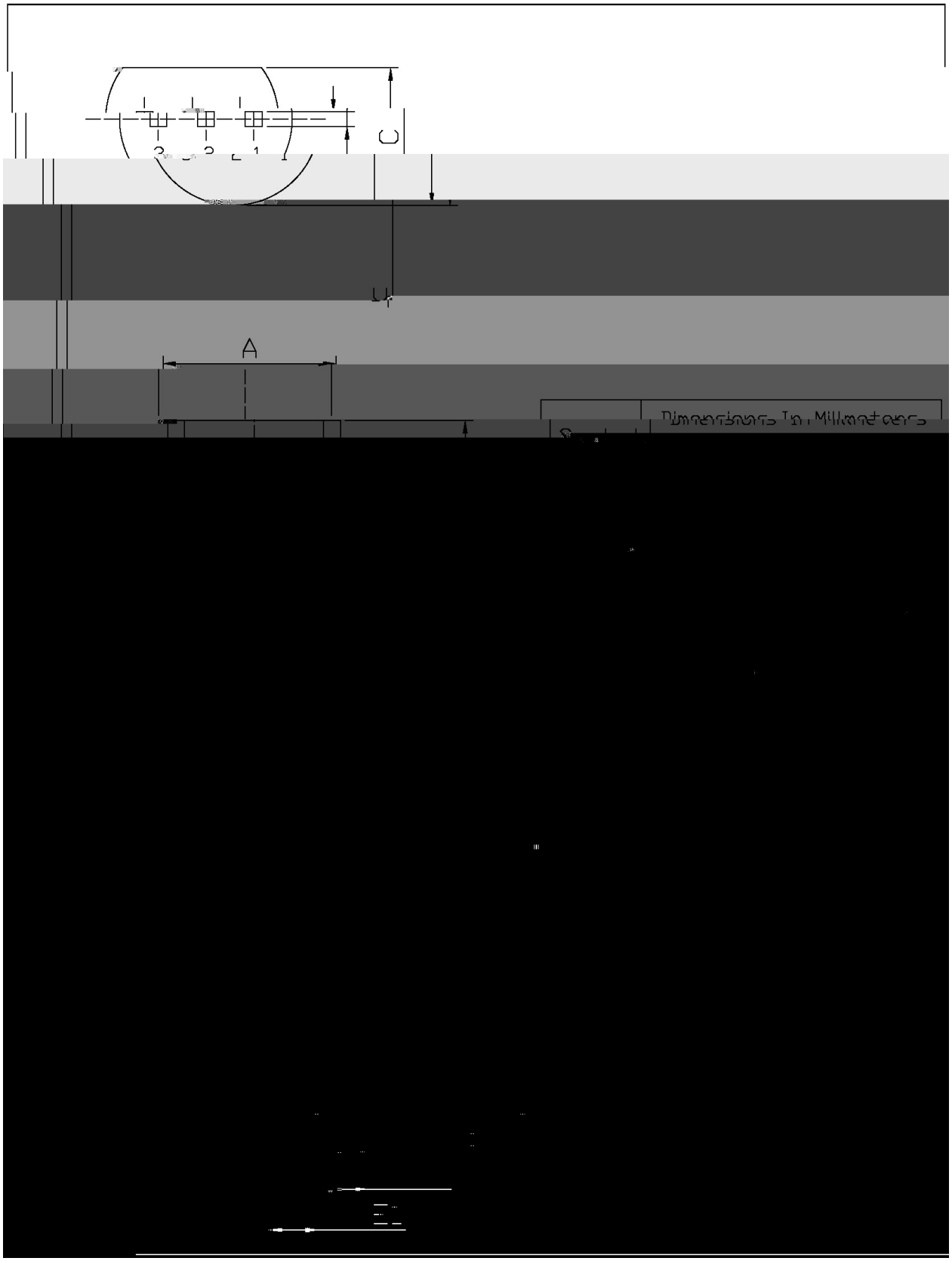
v ‘Ω Parameter	ϒ N Symbol	╝ ⁝ ˛ Ţ Test Conditions	ω ņ Ö Min	Ɛ ʒ Ö Typ	ω ᶻ Ö Max	D Ђ Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=-10μA I_E=0	-60			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-10mA I_B=0	-60			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=-10μA I_C=0	-5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-50V I_E=0			-0.1	μA
DC Current Gain	$h_{FE(1)}$*	V_{CE}=-10V I_C=-150mA	100		300	
	$h_{FE(2)}$*	V_{CE}=-10V I_C=-500mA	50			
	$h_{FE(3)}$	V_{CE}=-10V I_C=-10mA	100			
	$h_{FE(4)}$	V_{CE}=-10V I_C=-1.0mA	100			
	$h_{FE(5)}$	V_{CE}=-10V I_C=-0.1mA	75			
Collector-Emitter Saturation Voltage	$V_{CE(sat)(1)}$*	I_C=-150mA I_B=-15mA			-0.4	V
	$V_{CE(sat)(2)}$*	I_C=-500mA I_B=-50mA			-1.6	V
Base-Emitter Saturation Voltage	$V_{BE(sat)(1)}$*	I_C=-150mA I_B=-15mA			-1.3	V
	$V_{BE(sat)(2)}$*	I_C=-500mA I_B=-50mA			-2.6	V
Transition Frequency	f_T	V_{CE}=-20V I_C=-50mA f=100MHz	200			MHz
Collector Output Capacitance	C_{ob}	V_{CB}=-10V I_E=0 f=0.1MHz			30	pF
Turn-On Time	T_{on}	V_{CC}=-30V $V_{BE(off)}$=-1.5V I_C=-150mA I_{B1}=-15mA			0.05	μs
Turn-Off Time	T_{off}	V_{CC}=-30V I_C=-150mA I_{B1}=I_{B2}=-15mA			0.1	μs

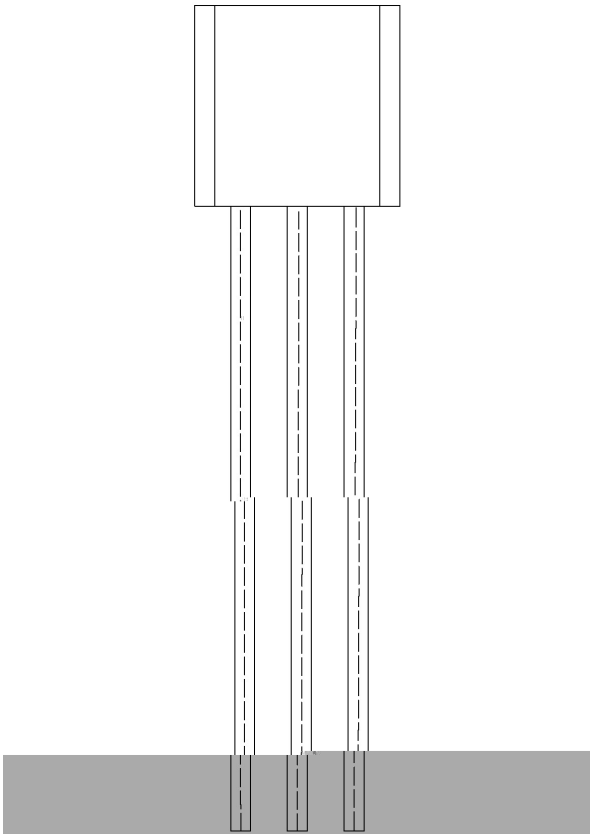
*Pulse test: pulse width≤300μs,duty cycle≤2.0%

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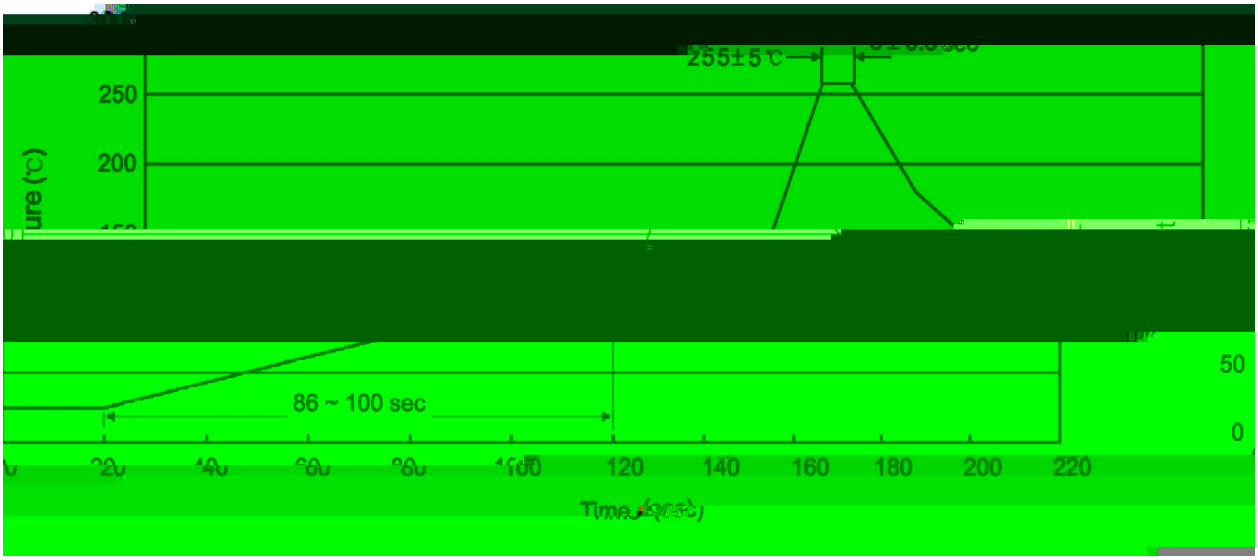

hFE – Ic
1000
Ta=25°C
1
10
100
1000
Ic (mA)

TO-92 Unit: mm





ب ˝ X



ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ł ı `H ڑ 60 Ḱ 90sec;

2 Š Ë □ ỷ 255 ° 5 ł ı `H ڑ `Y ﾊ ㎞ 5 ° 0.5sec;

3 ì ˙ ﾘ ˛ ɔ ﻉ ỷ ㎞ 2 Ḱ 10 ł /sec.

Note:

1.Preheating:25~150 ł , Time:60~90sec.

2.Peak Temp.:255 ° 5 ł , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ł /sec.

□ ỷ χ 270 ° 5 ł `H ڑ χ 10 ° 1 sec. Temp:270±5 Time:10±1 sec

¨Ω ţ ﾔ Ł / BULK

ñq%Á}7Iq♪dêBU31,˜Tf0.55 0.942.611ol1e7.2TT4 5sec.