

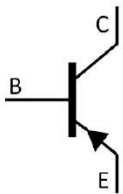
Rev.E Mar.-2016

TO-126F PNP Silicon PNP transistor in a TO-126F Plastic Package.

2SC3902

High V_{CE0} , Large I_C , complementary to 2SC3902.

Color TV audio output, converters, inverters.

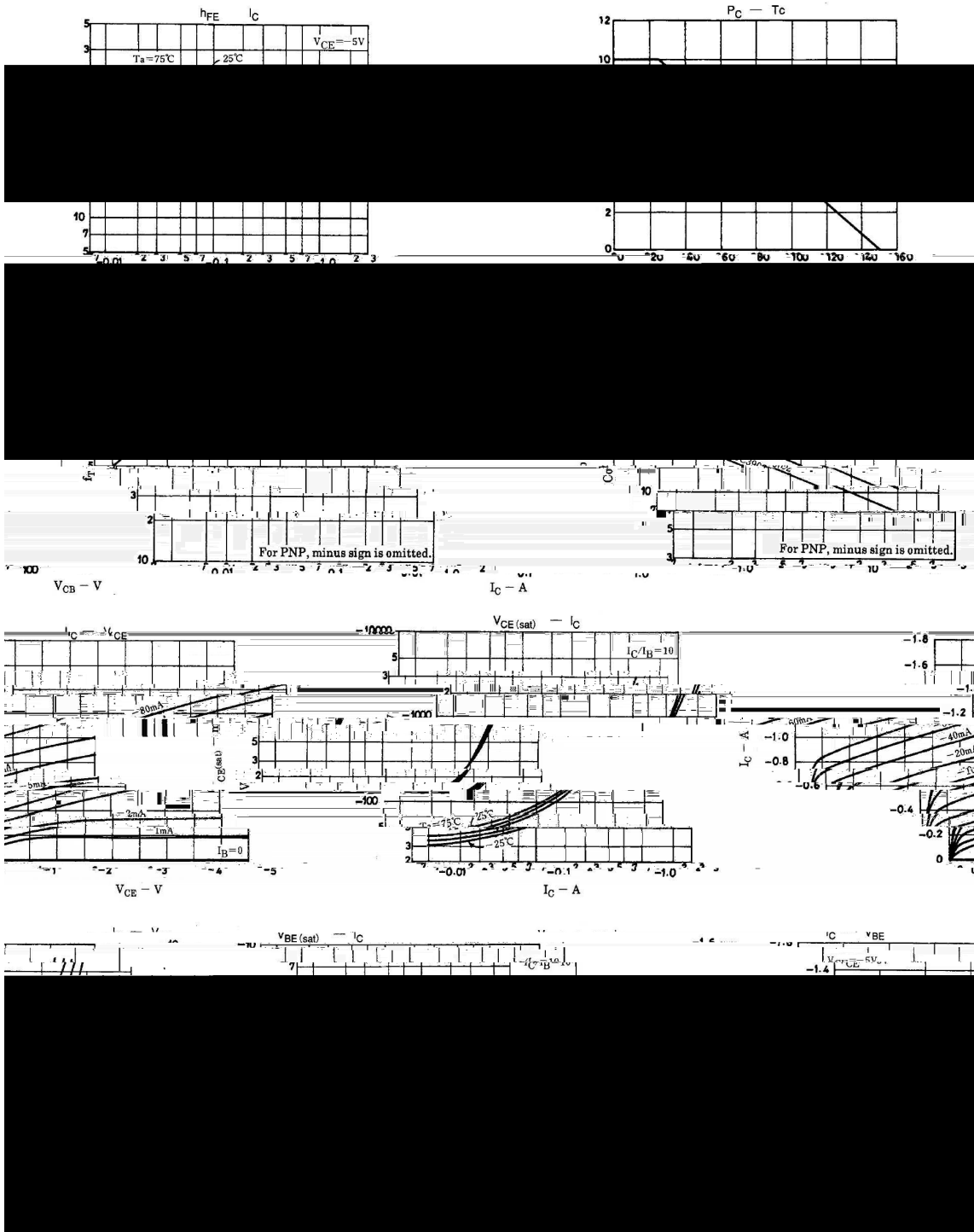


PIN1 Emitter PIN 2 Collector PIN 3 Base

h_{FE} Classifications Symbol	R	S	T
h_{FE} Range	100~200	140~280	200~400

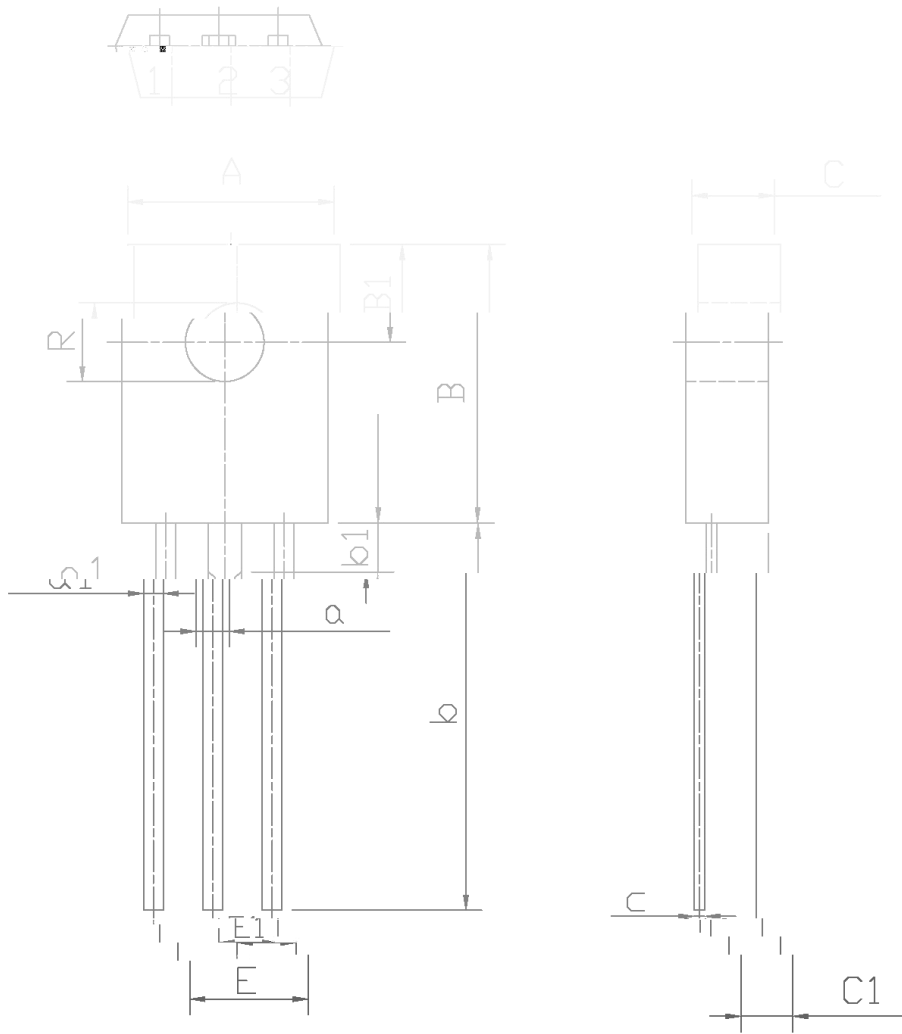
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-180	V
Collector to Emitter Voltage	V_{CEO}	-160	V
Emitter to Base Voltage	V_{EBO}	-6.0	V
Collector Current - Continuous	I_C	-1.5	A
Collector Current – Continuous(Pulse)	I_{CP}	-2.5	A
Collector Power Dissipation	P_C	1.5	W
Collector Power Dissipation	$P_C(T_C=25^\circ\text{C})$	10	W
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}	$I_C=-10\mu\text{A}$ $I_E=0$	-180			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=-1.0\text{mA}$ $I_B=0$	-160			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E=-10\mu\text{A}$ $I_C=0$	-6.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-120\text{V}$ $I_E=0$			-0.1	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-4.0\text{V}$ $I_C=0$			-0.1	μA
DC Current Gain	$h_{FE(1)}$	$V_{CE}=-5.0\text{V}$ $I_C=-100\text{mA}$	100		400	
	$h_{FE(2)}$	$V_{CE}=-5.0\text{V}$ $I_C=-10\text{mA}$	90			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-500\text{mA}$ $I_B=-50\text{mA}$		-0.2	-0.5	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=-500\text{mA}$ $I_B=-50\text{mA}$		-0.85	-1.2	V
Transition Frequency	f_T	$V_{CE}=-10\text{V}$ $I_C=-50\text{mA}$		120		MHz
Reverse Transfer Capacitance	C_{ob}	$V_{CB}=-10\text{V}$ $f=1.0\text{MHz}$		22		pF
Turn-On Time	t_{on}	$I_C=10\text{I}_{B1}=-10\text{I}_{B2}=-700\text{mA}$		0.04		μs
Storage Time	t_{stg}			0.7		
Fall Time	t_f			0.04		

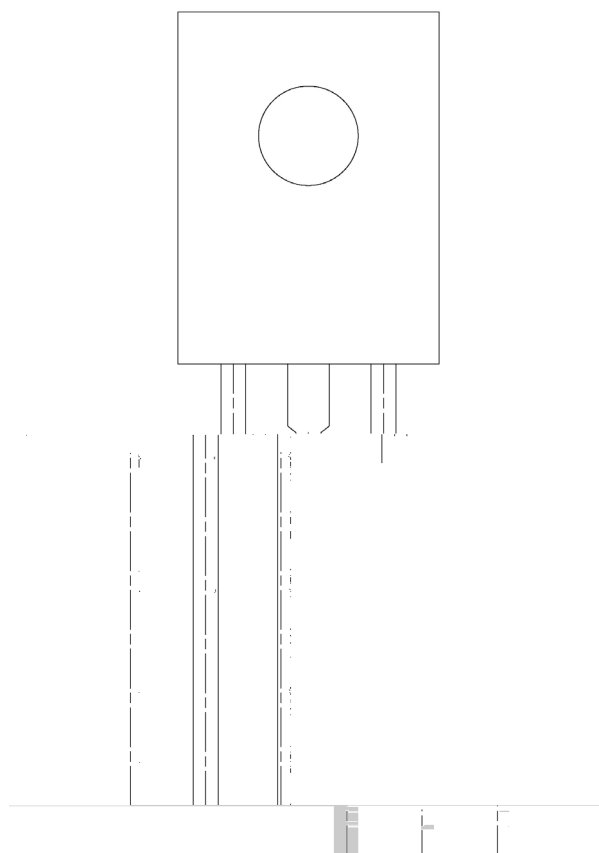


1U-12BT

单位: mm



Symbol	Dimension for Millimeters		Symbol	Dimension for Millimeters	
	Min	Max		Min	Max
A	7.8	8.2	a1	0.55	0.85
B	10.8	11.2	E	4.4	4.8
B1	3.8	4.2	C	3.1	3.3
R	2.05	3.15	C1	1.9	2.1
b	14	16	c	0.3	0.6
b1	1.9		a	1.27	
E1	2.1	2.5			



BR

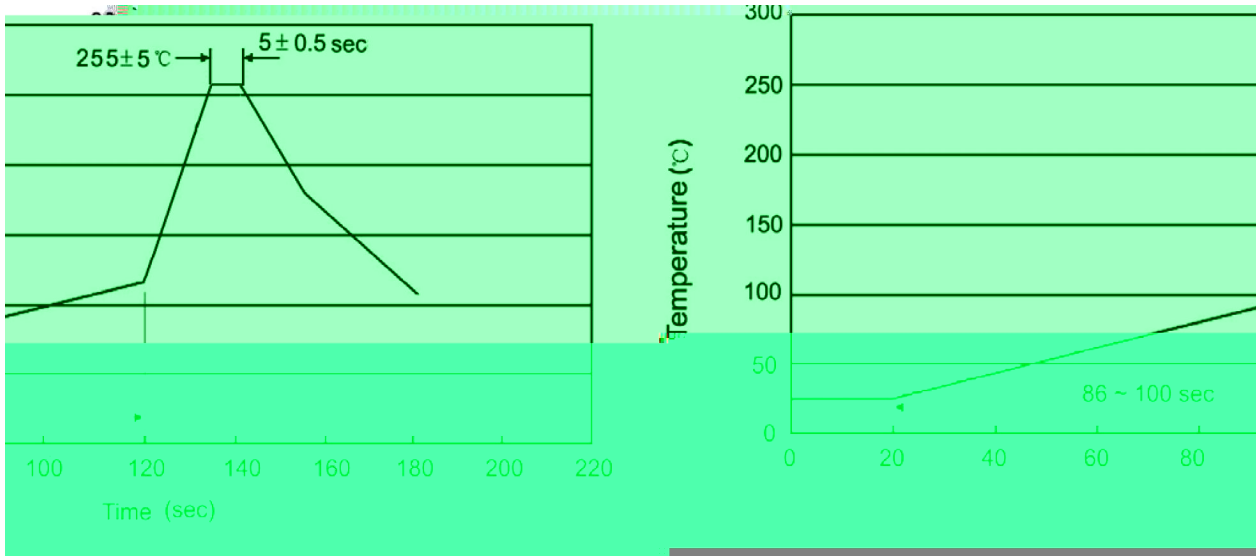
A1507

R: h_{FE}

Note:

BR: Company Code

03 Tm -0.00


Note:

- | | | | | | |
|---|-------------|-----|-------------|----------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1. Preheating: 25~150 , Time: 60~90sec. |
| 2 | 255 ± 5 | | 5 ± 0.5 | sec; | 2. Peak Temp.: 255 ± 5 , Duration: 5 ± 0.5 sec. |
| 3 | | | 2 | 10 /sec. | 3. Cooling Speed: 2~10 /sec. |

 270 ± 5
 10 ± 1 sec.

 Temp.: 270 ± 5

 Time: 10 ± 1 sec

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 套管	套管 盒	只 盒	盒 箱	只 箱	套管	盒	箱

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 套管	套管 盒	只 盒	盒 箱	只 箱	套管	盒	箱