

/ Descriptions

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

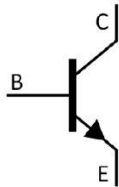
/ Features

$V_{CE(sat)}$, h_{FE}
Low saturation voltage, excellent h_{FE} linearity and high h_{FE} .

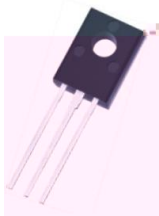
/ Applications

3
Output stage of 3 watts audio amplifier, voltage regulator, DC-DC converter and relay driver.

/ Equivalent Circuit



/ Pinning



PIN1 Emitter PIN 2 Collector PIN 3 Base

/ h_{FE} Classifications & Marking

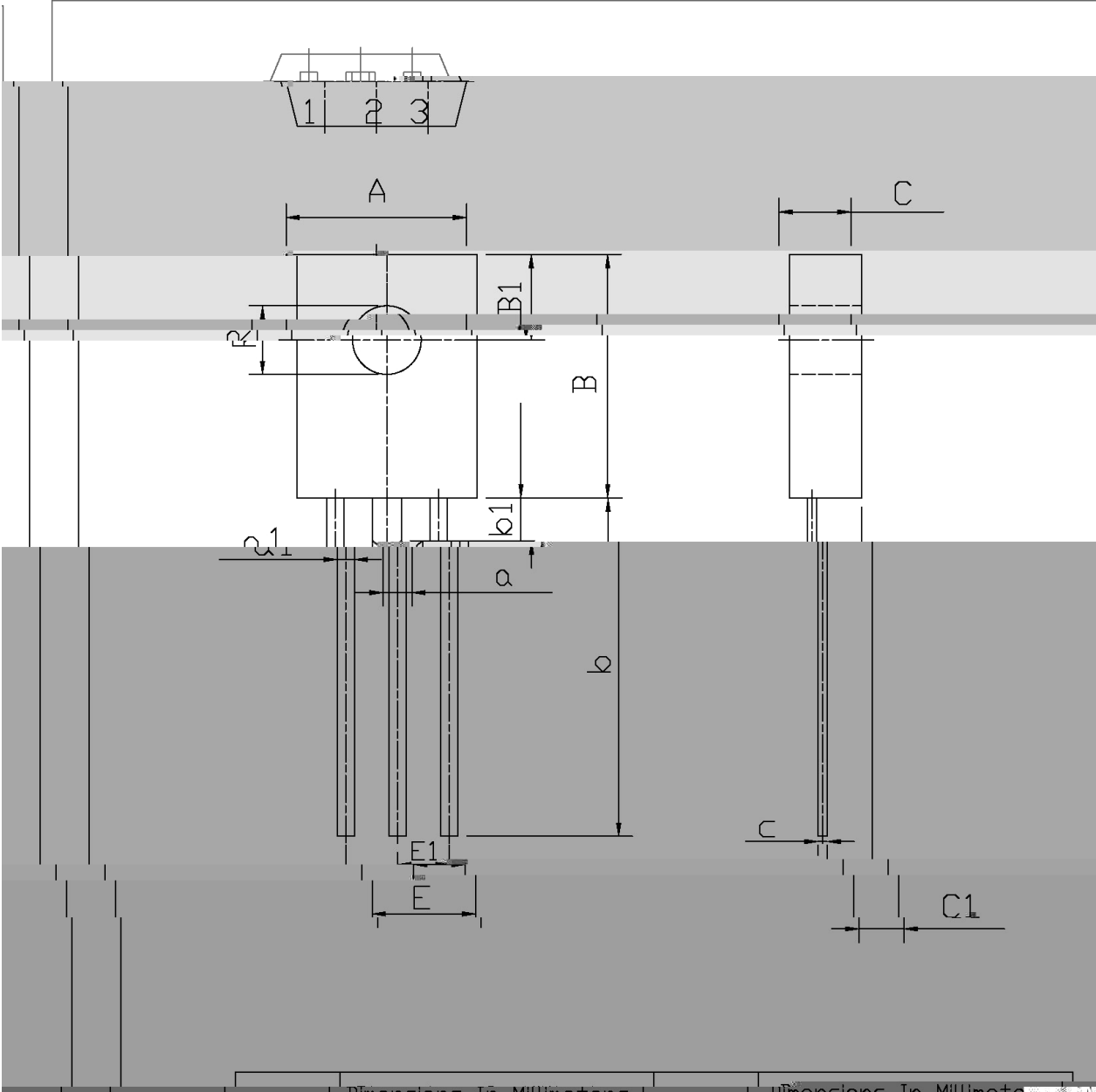
h_{FE} Classifications Symbol	R	Q	P	E
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Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	40	V
Collector to Emitter Voltage	V_{CEO}	30	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	3.0	A
Collector Power Dissipation	P_C	1.0	W
	$P_C(T_C=25^\circ\text{C})$	10	W
Junction Temperature	T_J	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	$V_{CB}=30V$ $I_E=0$			1.0	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=3.0V$ $I_C=0$			1.0	μA
DC Current Gain	$h_{FE(1)}$	$V_{CE}=2.0V$ $I_C=1.0A$	60	160	400	
	$h_{FE(2)}$	$V_{CE}=2.0V$ $I_C=20mA$	30	150		

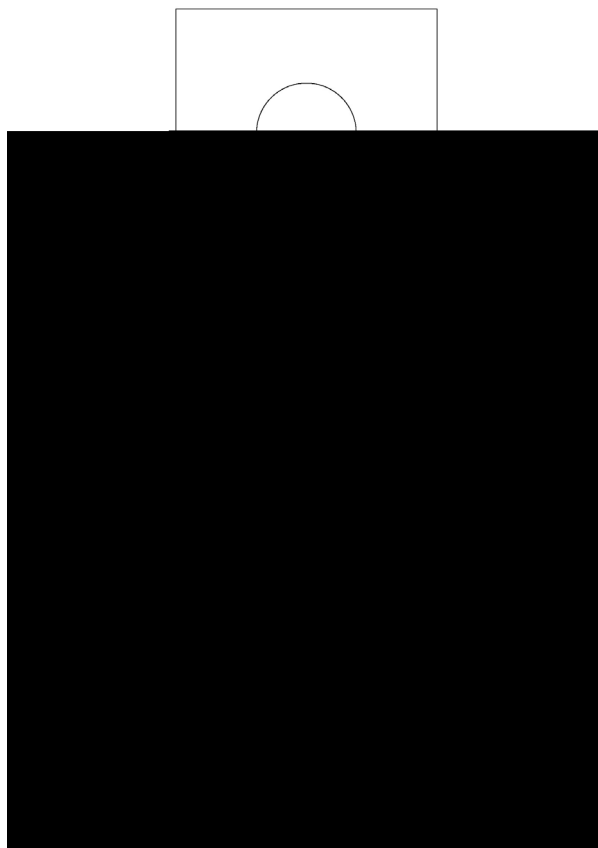
/ Package Dimensions

单位: mm



Symbol	Min	Max	Symbol	Min	Max
A	7.8	8.2	a1	0.65	

/ Marking Instructions



BR

D882

R: h_{FE}

Note:

BR: Company Code

D882: Product Type Code.

R: h_{FE} Classifications Symbol

****: Lot No. Code, code change with Lot No.

The screenshot shows a top-down view of a character in a green field. The character is a small figure with a red head and a blue body, standing on a green field. The field is surrounded by a dark green border. The top of the screen shows a status bar with various icons and numbers. The bottom of the screen shows a small map and a compass.

1	152 ± 150	60 ± 90 sec;
2	255 ± 5	5 ± 0.5 sec;
3	2 ± 10	/sec.

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