

/ Descriptions

TO-126F

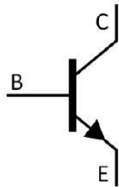
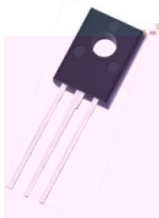
NPN

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

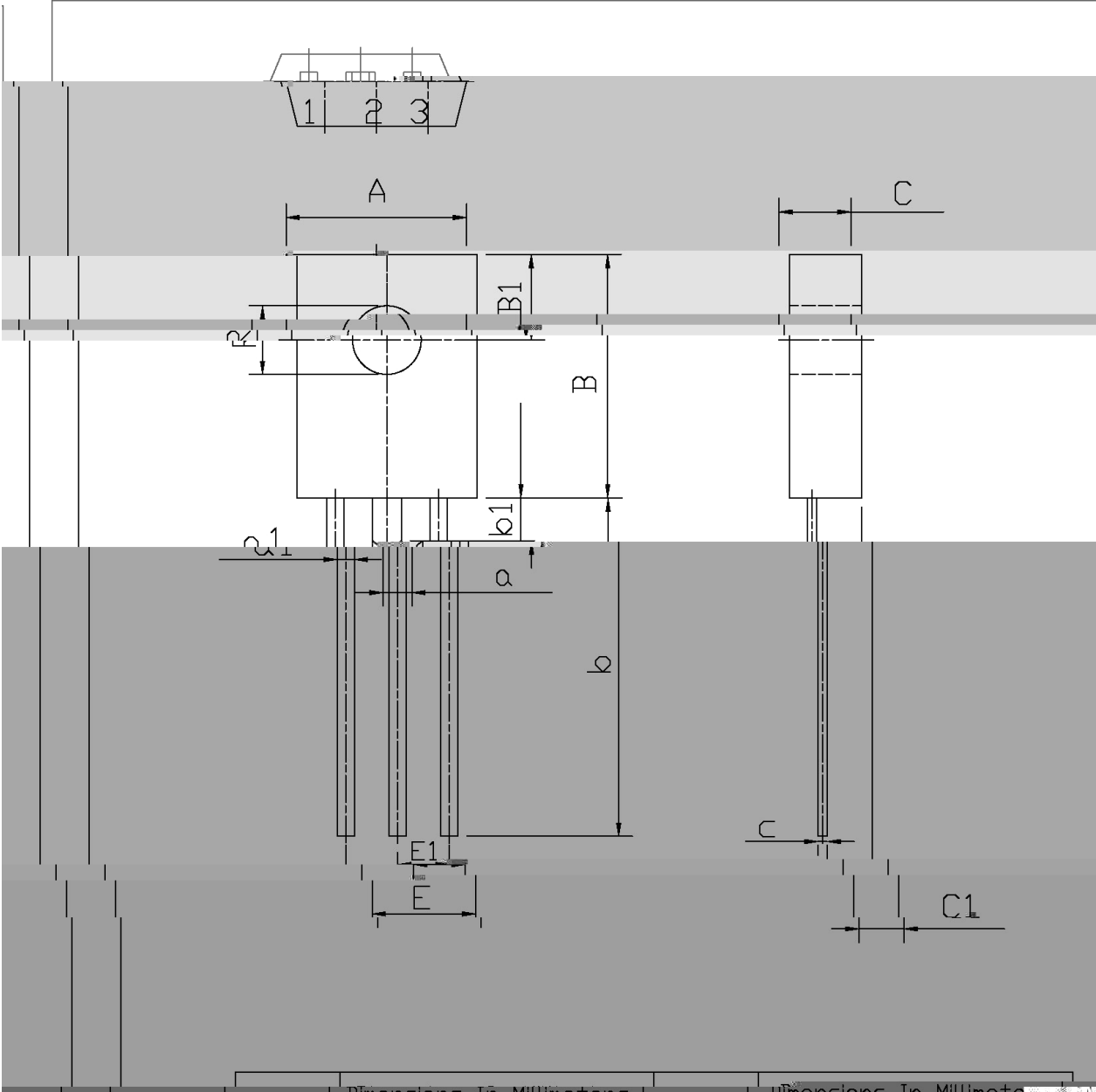
E

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		

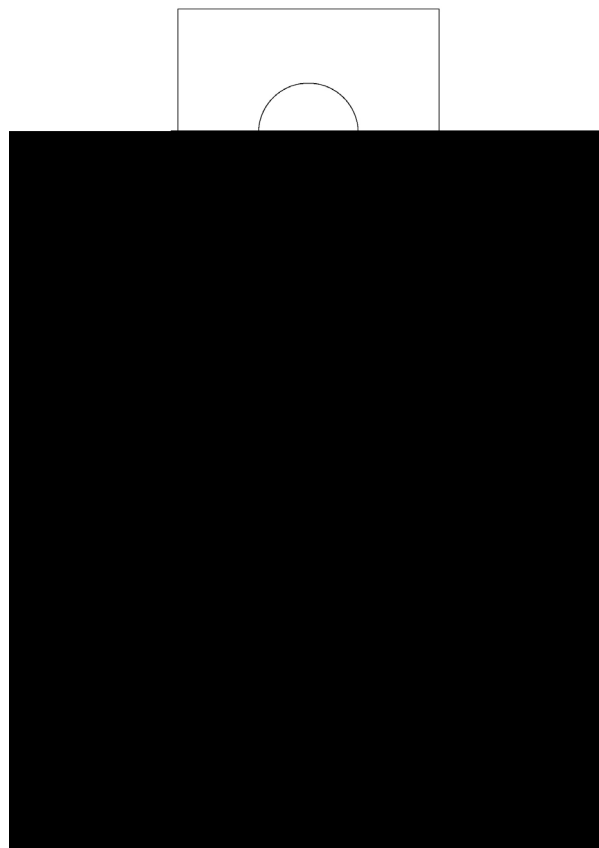
/ Package Dimensions

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.

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

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