

/ Descriptions

TO-126F

NPN

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

/ Features

3

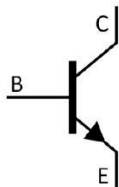
Output stage of 3 watts audio amplifier, voltage regulator, DC-DC converter and relay driver.

/ Applications

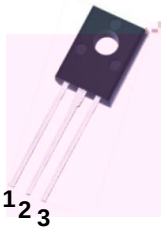
 $V_{CE(sat)}$, h_{FE} .

Low saturation voltage, excellent h_{FE} linearity and high h_{FE} .

/ Equivalent Circuit



/ Pinning



PIN1 Emitter

PIN 2 Collector

PIN 3 Base

/ h_{FE} Classifications & Marking

h _{FE} Classifications Symbol	R	O	Y	G
h _{FE} Range	60 120	100 200	160 320	200 400

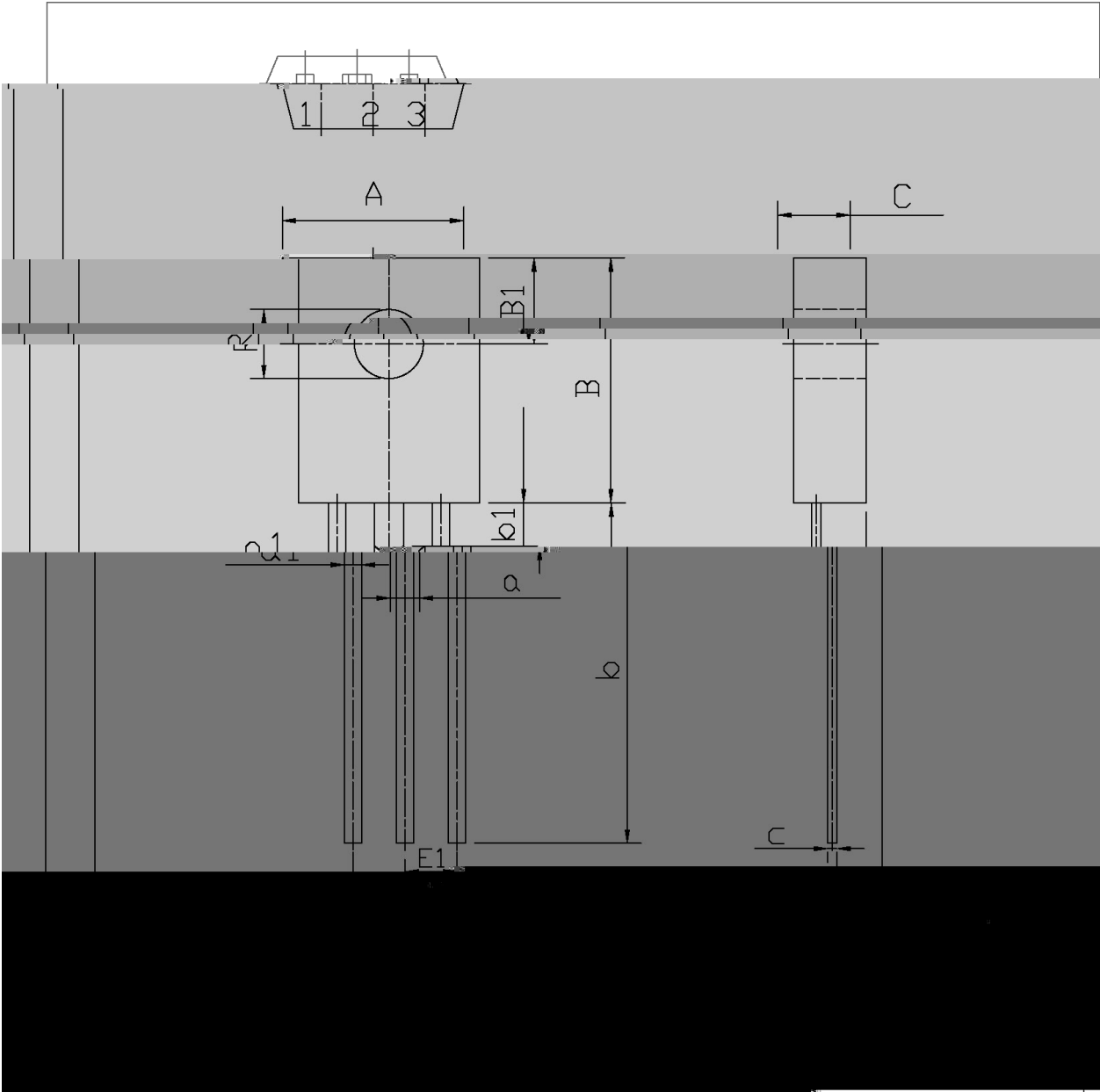
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	40	V
Collector to Emitter Voltage	V_{CEO}	30	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current – Continuous	I_C	3.0	A
Collector Power Dissipation	P_C	1.0	W
	$P_C(T_C=25^\circ\text{C})$	10	W
Junction Temperature	T_j	150	
Storage Temperature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

Parameter

KSD882

/ Package Dimensions

TU-126F 单位: mm



Max		Min		Max		Min	
7.95	A1	7.8	8.2	2.1	R	2.05	3.15
4.8	B1	4.7	4.9	1.9	C1	1.8	2.0
2.1	R	2.05	2.15	1.9	C	1.8	2.0

