/ Descriptions

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

/ Features

, , , 2SD1818

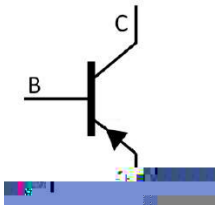
Low $V_{CE(sat)}$,large current, high P_C, complementary to 2SD1818.

/ Applications

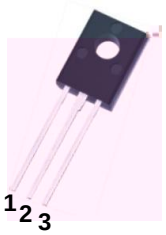
DC-DC

It is suitable for DC-DC converter, or driver of solenoid or motor.

/ Equivalent Circuit



/ Pinning



PIN1 Emitter PIN 2 Collector PIN 3 Base

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	M	L	K
h_{FE} Range	100 200	160 320	200 400

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-60	V
Collector to Emitter Voltage	V_{CEO}	-60	V
Emitter to Base Voltage	V_{EBO}	-7.0	V
Collector Current - Continuous	I_C	-3.0	A
Peak Collector Current – Continuous	I_{CM}	-5.0	A
Base Current - Continuous	I_B	-0.5	A
Collector Power Dissipation	P_C	1.3	W
Collector Power Dissipation	P_C(Tc=25)	10	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

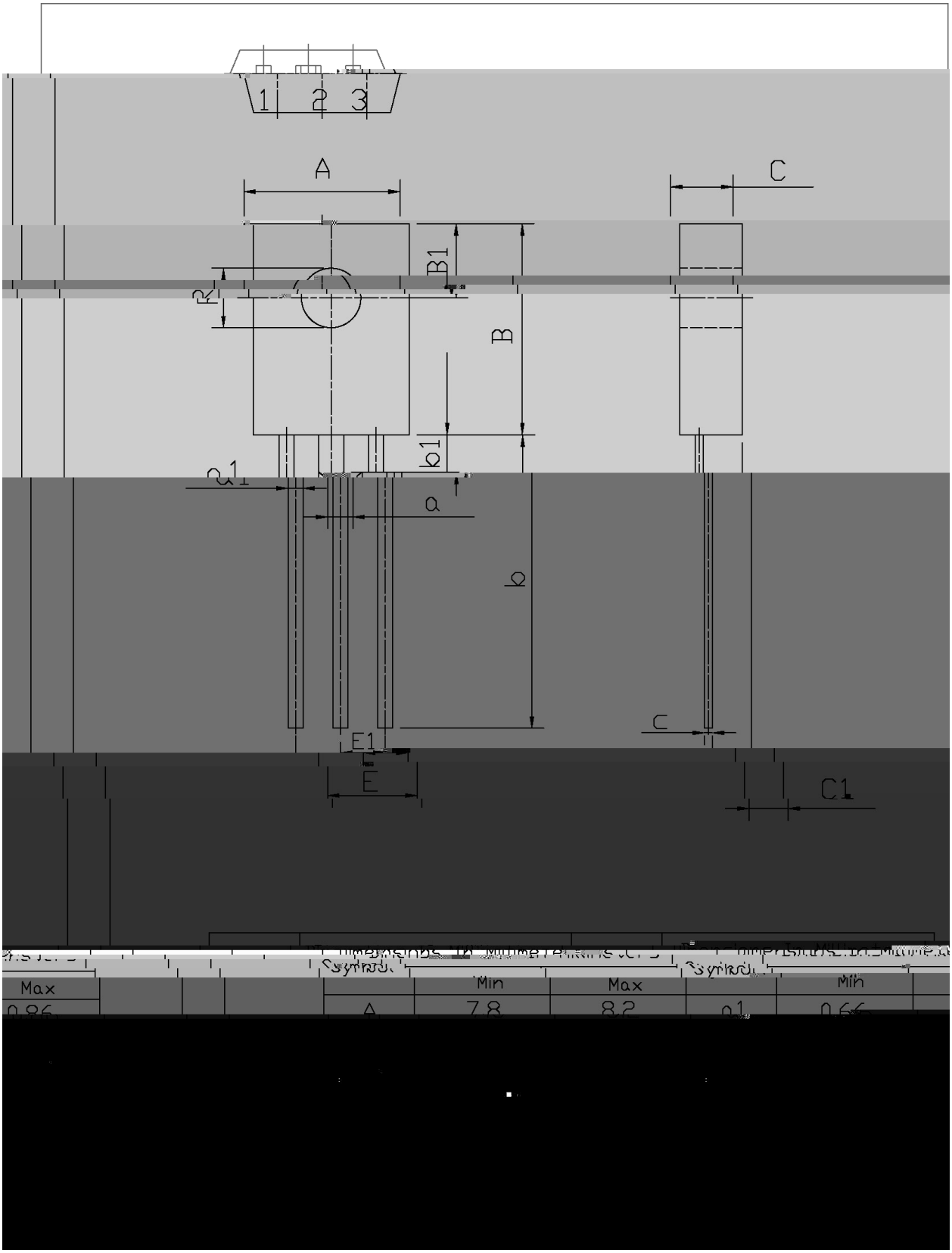
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	V_{CB}=-60V I_E=0			-10	μA
Emitter Cut-Off Current	I_{EBO}	V_{EB}=-7V I_C=0			-10	μA
	$h_{FE(1)}$	V_{CE}=-2V I_C=-600mA	100		400	

DC Current Gain

2SB1217

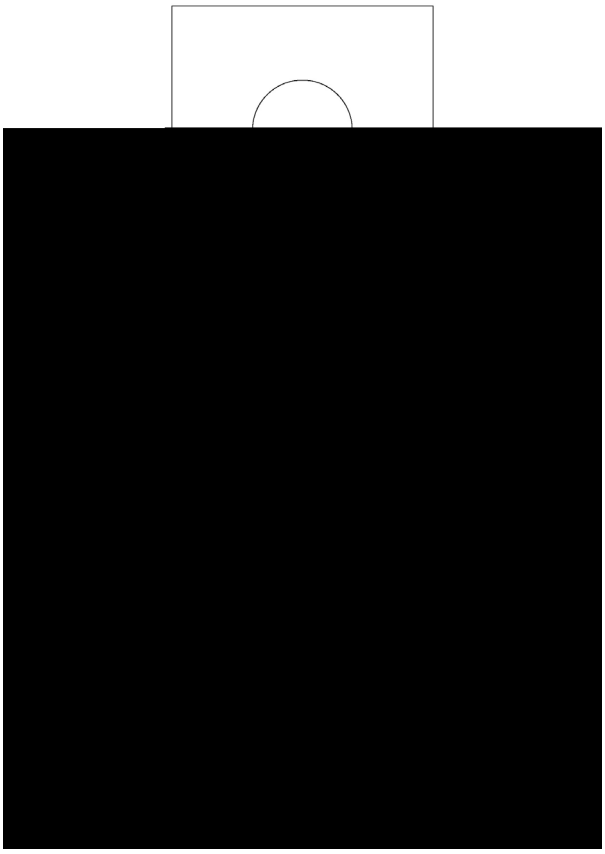
/ Package Dimensions

TO-126T 单位：mm



Max	Min	Max	Min
0.86	A 7.8	8.2	0.1 0.66

/ Marking Instructions



BR

B1217

M: h_{FE}

****

Note:

BR:	Company Code
B1217:	Product Type.
M:	h_{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.