

/ Descriptions

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

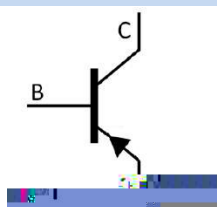
/ Features

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

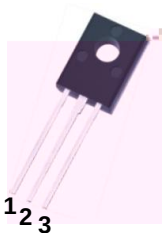
/ Applications

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	$P_C(T_c=25^\circ C)$	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}	$V_{CB}=-60V$ $I_E=0$			-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	

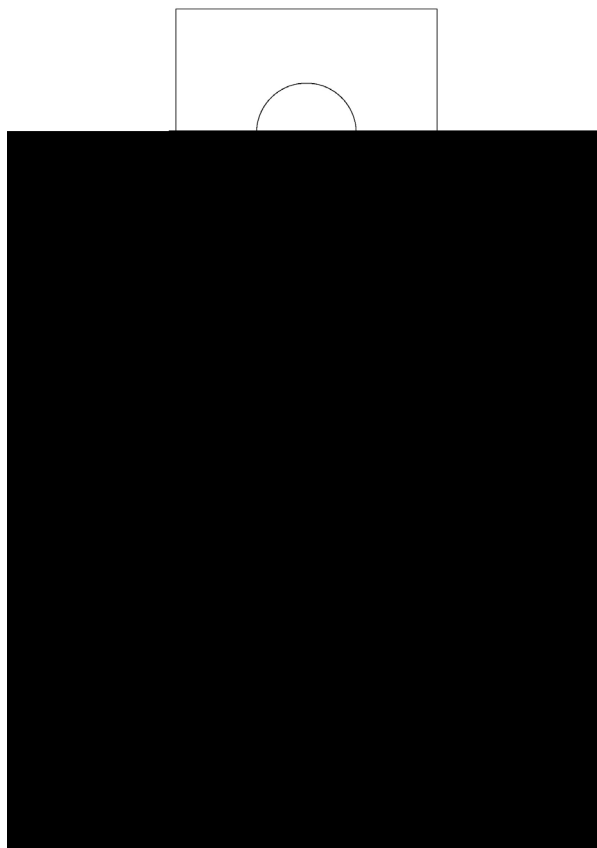
DC Current Gain

2SB1217

/ Package Dimensions



/ 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.

