

# BD177

Rev.E Mar.-2016

## / Descriptions

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

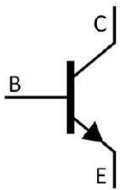
## / Features

BD178  
Complement to BD178.

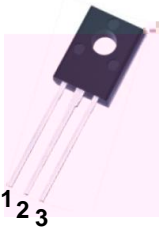
## / Applications

Medium power linear and switching applications.

## / Equivalent Circuit



## / Pinning



PIN1 Emitter      PIN 2 Collector      PIN 3 Base

## / $h_{FE}$ Classifications & Marking

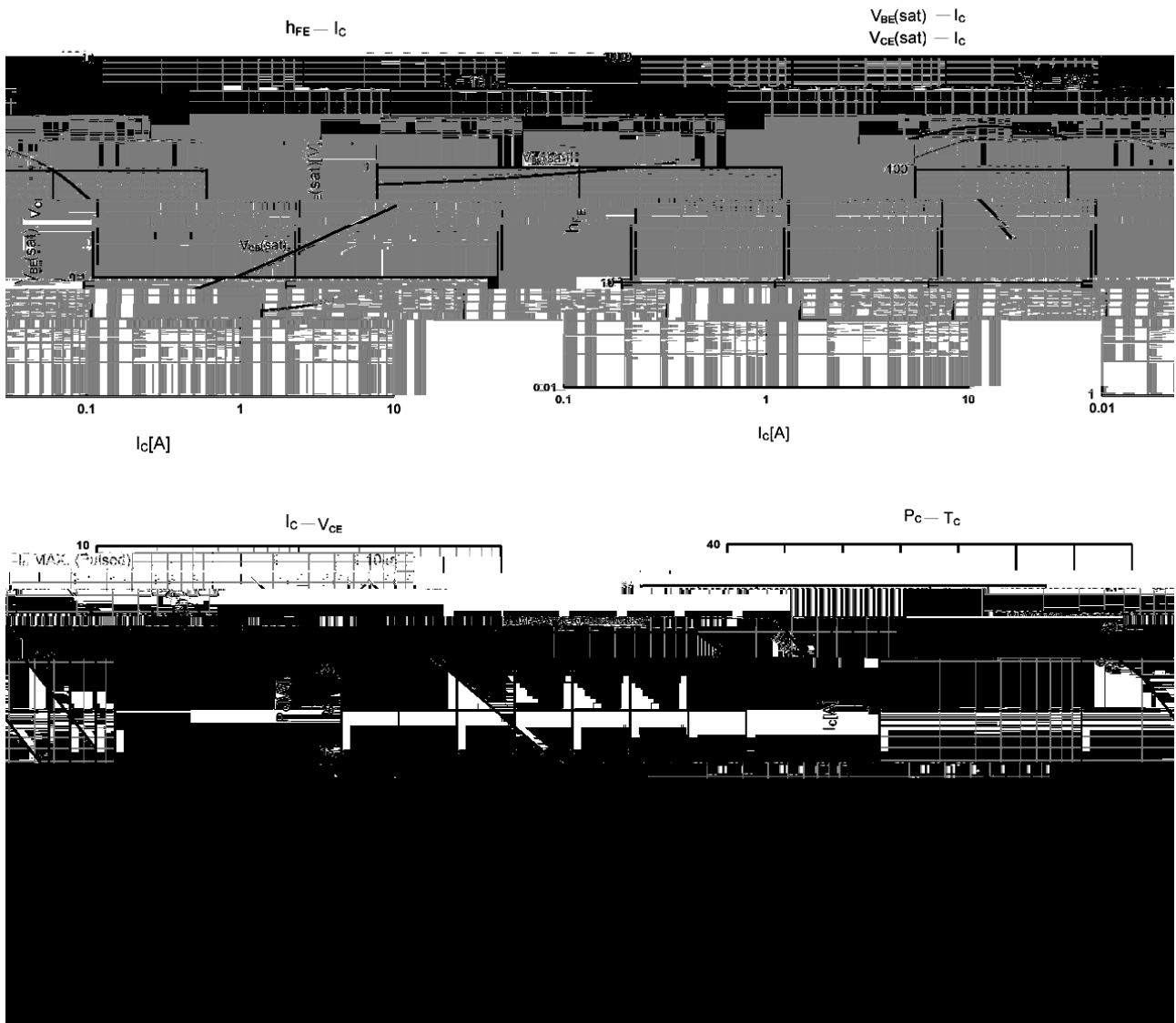
$h_{FE}$ Classifications Symbol	6	10	16
$h_{FE}$ Range	40 100	63 160	100 250

# BD177

Rev.E Mar.-2016

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	60	V
Collector to Emitter Voltage	$V_{CEO}$	60	V
Emitter to Base Voltage	$V_{EBO}$	5.0	V
Collector Current - Continuous	$I_C$	3.0	A
Collector Current – Continuous(Pulse)	$I_{CP}$	7.0	A
Collector Power Dissipation	$P_C(T_C=25^\circ C)$	30	W
Junction Temperature	$T_j$	15 587.iHent – (or Power Dis)-S07.04	

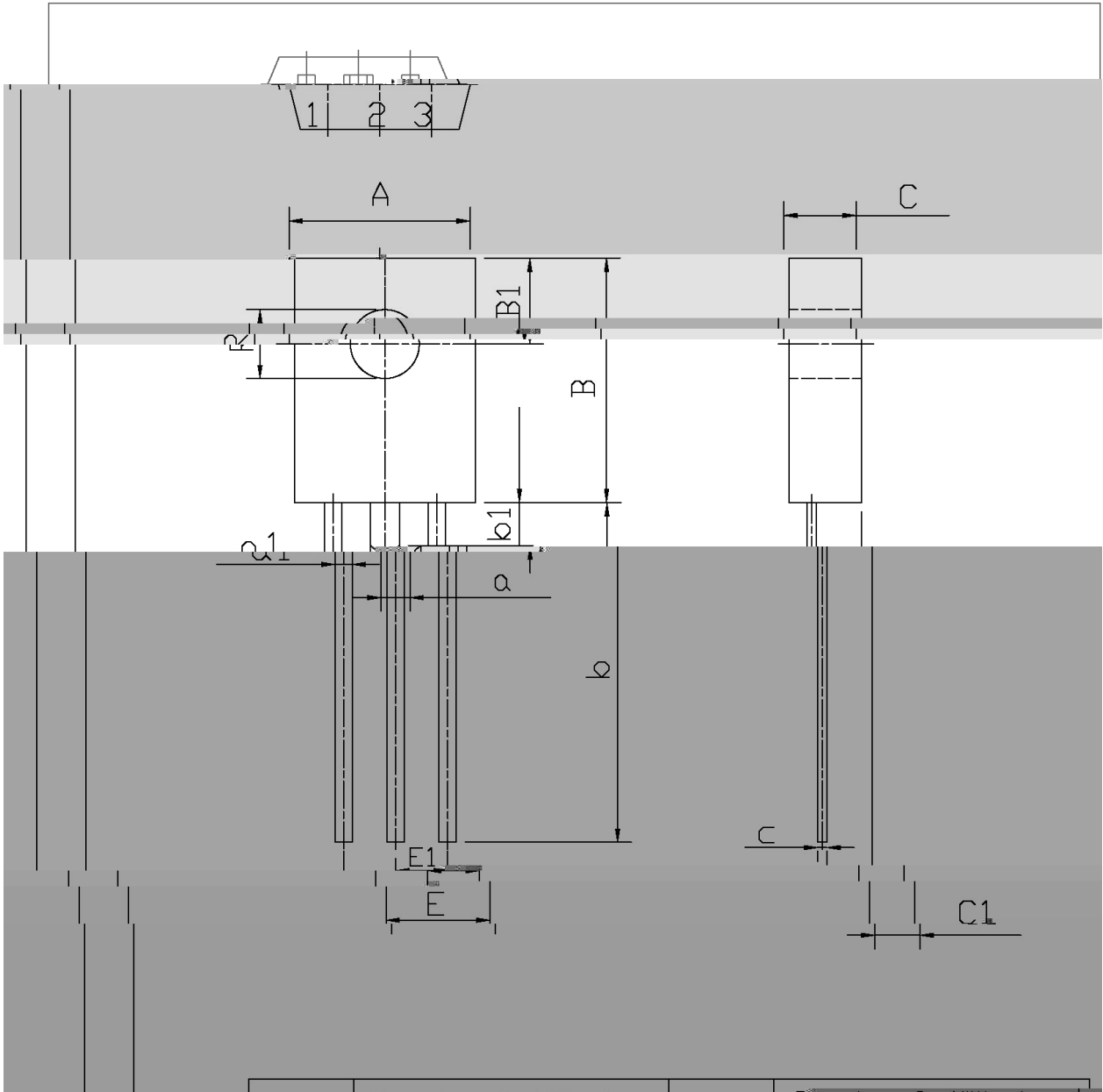
/ Electrical Characteristic Curve



/ Package Dimensions

TU-126F

单位: mm



Dimensions in mm (inches) unless otherwise specified. All dimensions are nominal.

Symbol	Min	Max	Symbol	Min	Max
A	7.8	8.2	a1	0.65	
B	10.0	10.0			

/ Marking Instructions



BR

BD177

6

$h_{FE}$

\*\*\*\*

Note:

BR: Company Code

BD177: D

