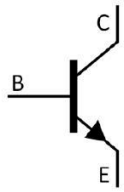
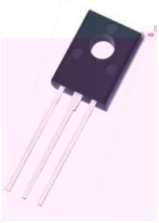
TO-126F NPN Silicon NPN transistor in a TO-126F Plastic Package.

BD442

Complementary pair with BD442.

Medium power linear and switching applications.

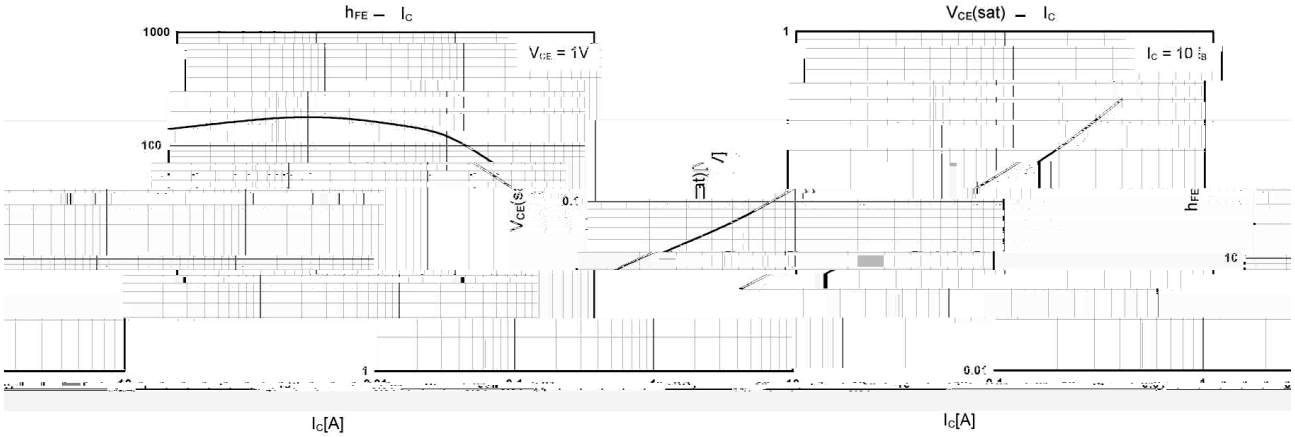




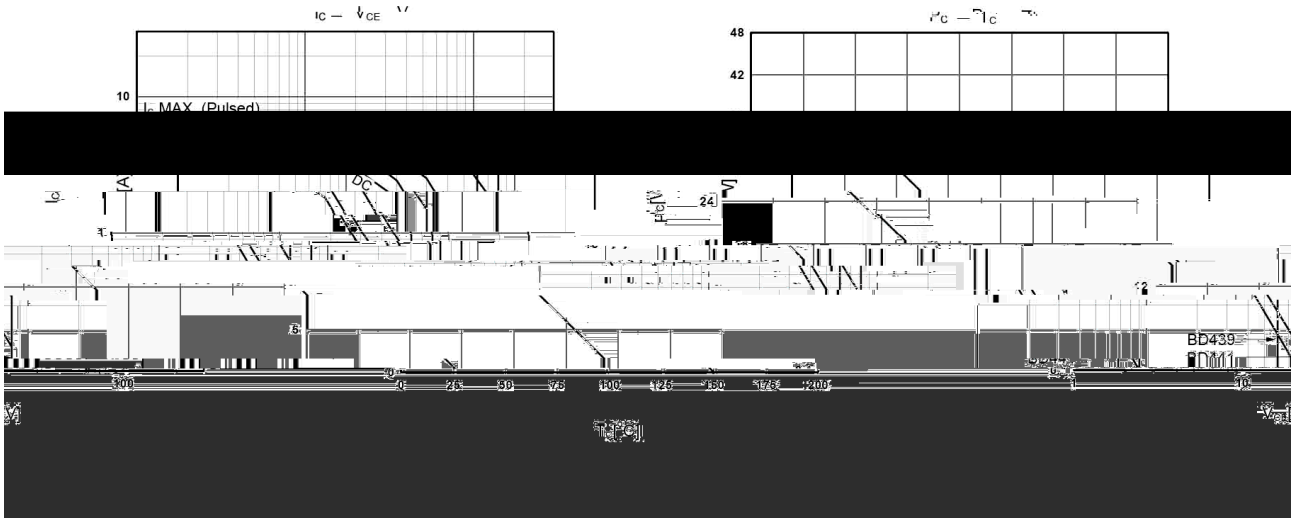
PIN1 Emitter PIN 2 Collector PIN 3 Base

See Marking Instructions

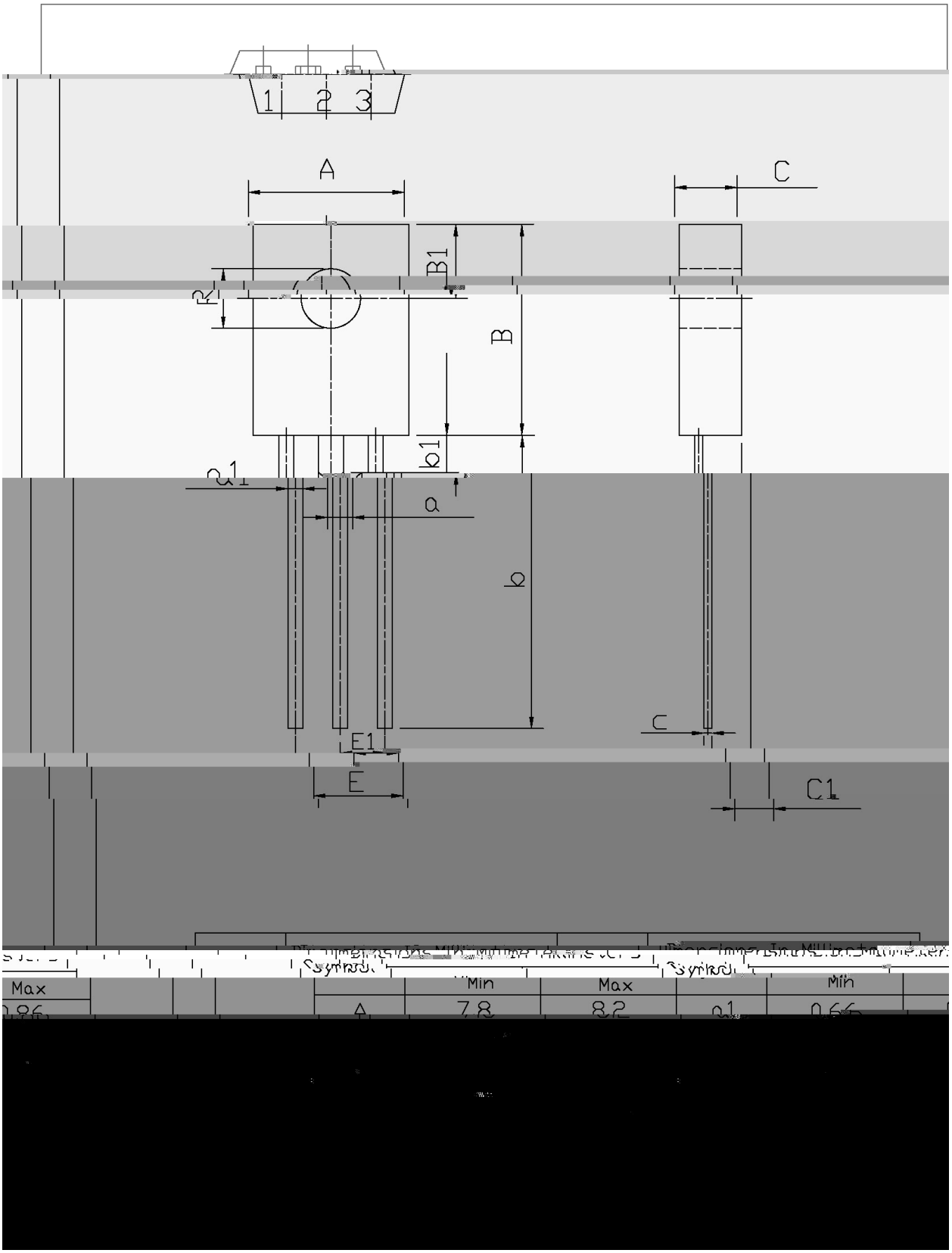
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	80	V
Collector to Emitter Voltage	V_{CES}	80	V
Collector to Emitter Voltage	V_{CEO}	80	V
Emitter to Base Voltage	V_{EBO}	5.0	V


hFE — IC
VCE = 1V
1000
100
1
VCE(sat) — IC
IC = 10 IB
hFE
10
1
0.01
IC[A]
IC[A]

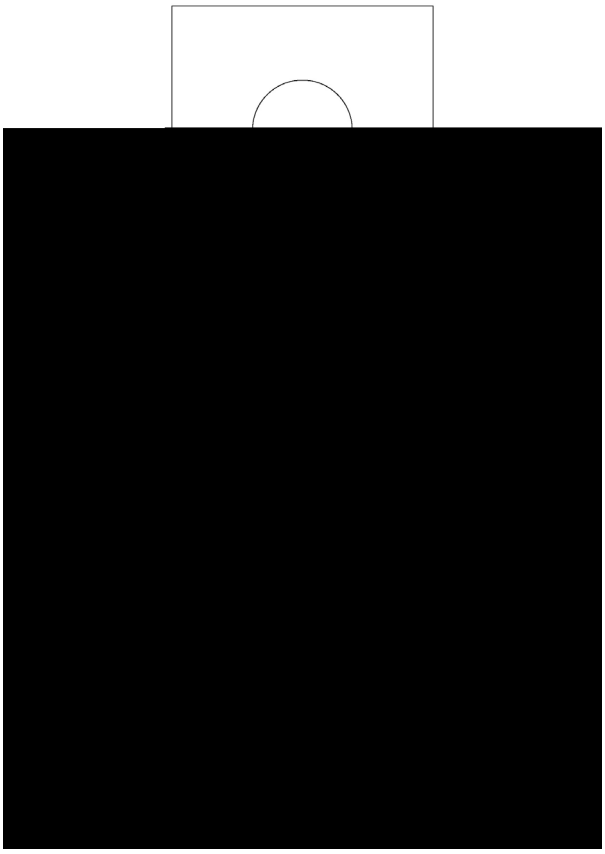

IC — VBE
CCBO — VCB
5.0
3.0
1000
100
4.5
4.0
2.5
1.5
VBE[V]
VCB[V]


10
48
42
24
BD439
BD441
0
25
50
75
100
125
150
175
200

TO-126F 单位：mm



Symbol	Min	Max	Symbol	Min
A	7.8	8.2	a1	0.66



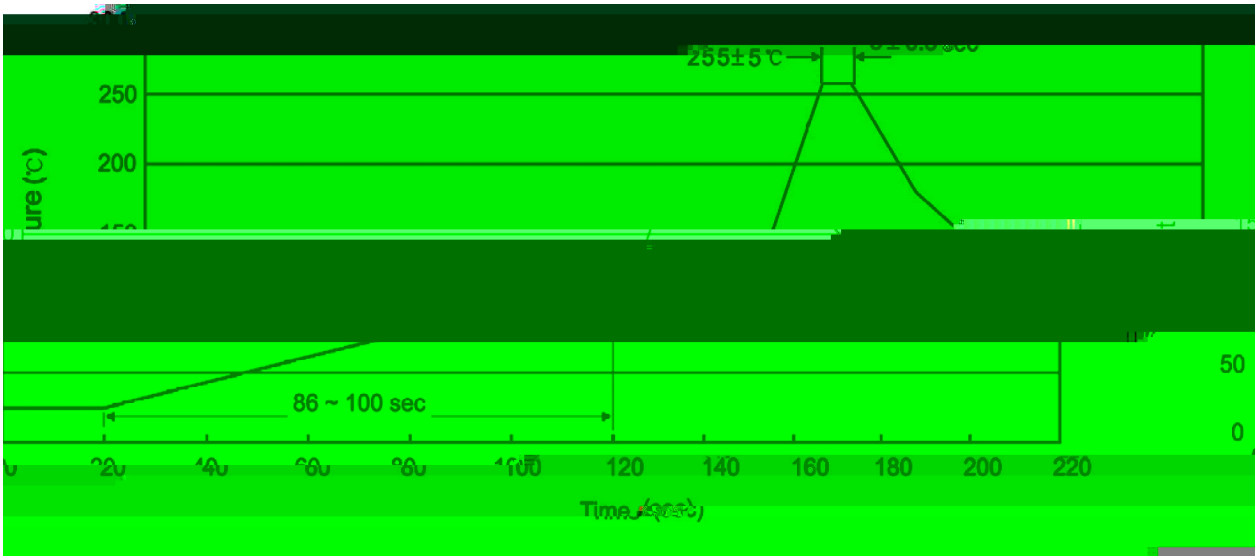
BR

BD441

****

Note:

BR:	Company Code
BD441:	Product Type.
****:	Lot No. Code, code change with Lot No.



1	25	150		60	90sec;
2	255±5				5±0.5sec;
3			2	10	/sec.

Note:

1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:255±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.

270±5	10±1 sec.	Temp.:270±5	Time:10±1 sec

/ BULK

Package Type	Units					Dimension		(unit mm^3)

/ TUBE

Package Type	Units					Dimension		(unit mm^3)