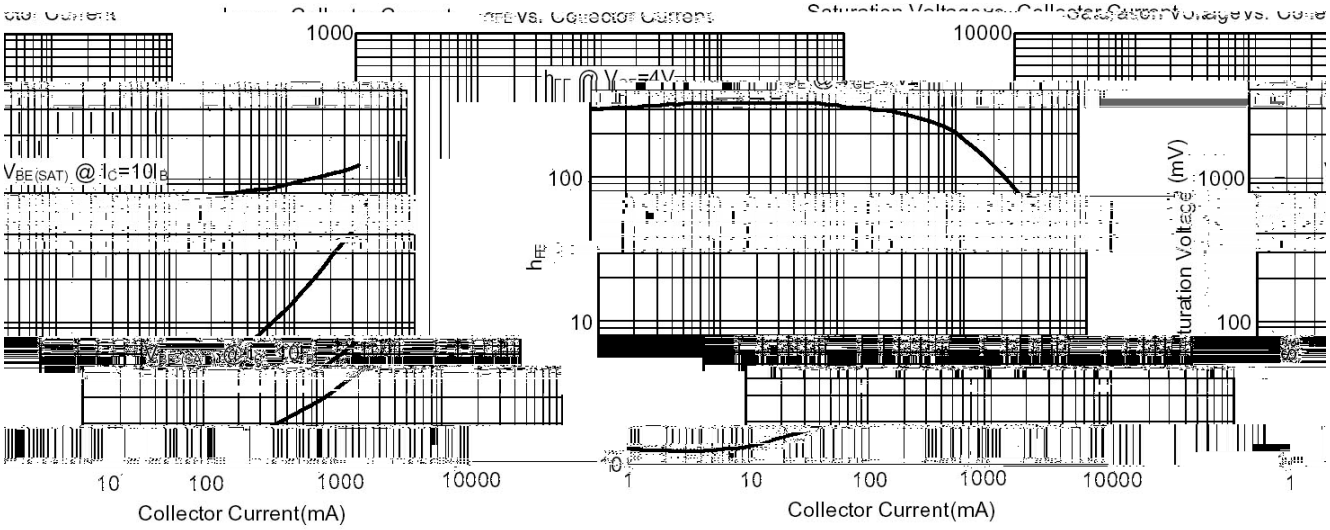
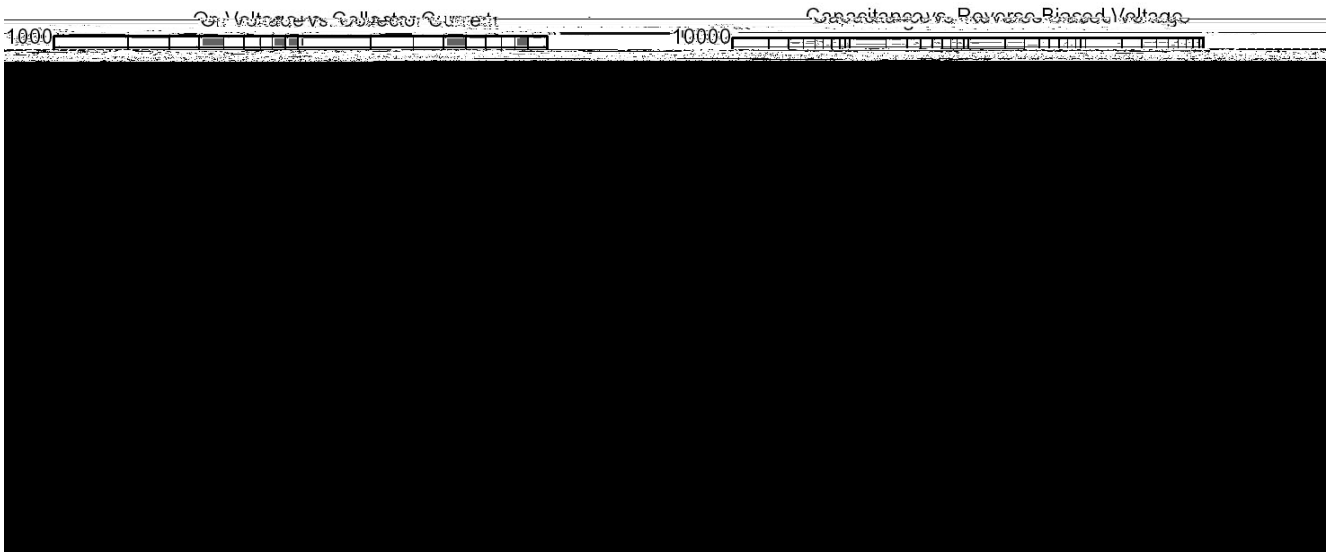
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-70	V
Collector to Emitter Voltage	V_{CEO}	-50	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-4.0	A
Base Current - Continuous	I_{CP}	-8.0	A
Collector Power Dissipation	$P_C(T_C=25℃)$	40	W
Junction Temperature	T_j	150	℃
Storage Temperature Range	T_{stg}	-55 150	℃

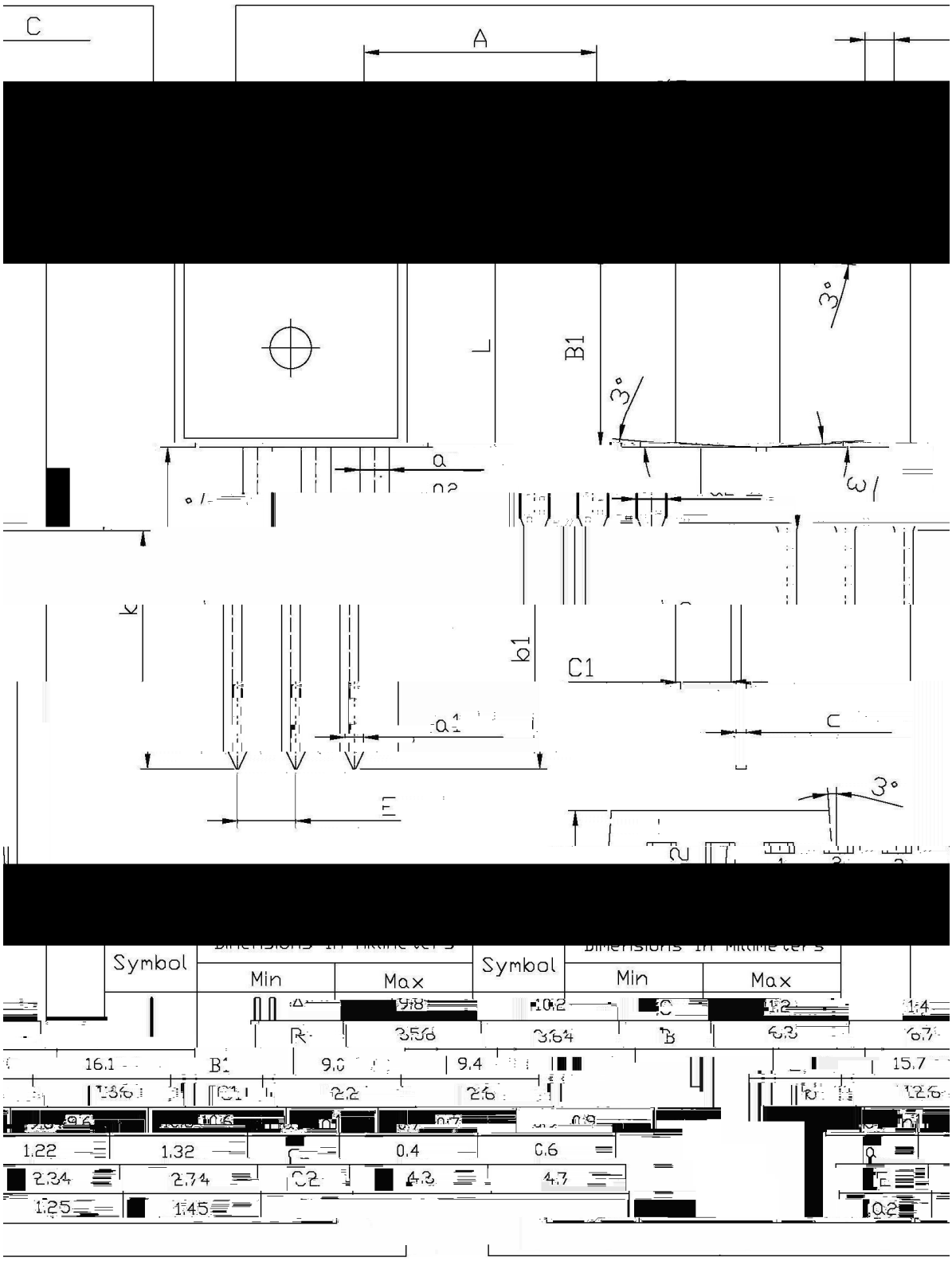
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=-10μA I_E=0	-70			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-50mA I_B=0	-50			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=-10μA I_C=0	-5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-50V I_E=0			-1.0	μA
DC Current Gain	$h_{FE(1)*}$	V_{CE}=-4.0V I_C=-1.0A*	60		320	
	$h_{FE(2)*}$	V_{CE}=-4.0V I_C=-0.1A*	35			
Collector to Emitter Saturation Voltage*	$V_{CE(sat)*}$	I_C=-2.0A I_B=-0.2A*			-1.0	V
Base to Emitter Voltage*	V_{BE*}	V_{CE}=-4.0V I_C=-1.0A*			-1.0	V
Transition Frequency*	f_{T*}	V_{CE}=-4.0V I_C=-0.5A*		15		MHz

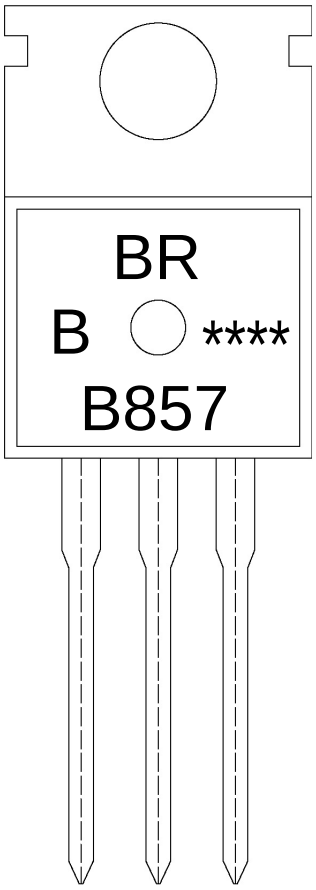
* /Pulse test.


1000
100
10
10
100
1000
10000
Collector Current(mA)
10000
1000
100
10
1
1
10
100
1000
10000
Collector Current(mA)
(mV)


1000
10000

mm TO-220 单位:


C
A
L
B1
3°
3°
a
a2
b
b1
C1
c
a1
F1
3°
Symbol
Min
Max
Symbol
Min
Max
16.1
B1
9.0
9.4
15.7
1.22
1.32
0.4
0.6
2.34
2.74
C2
4.3
4.7
1.25
1.45



BR

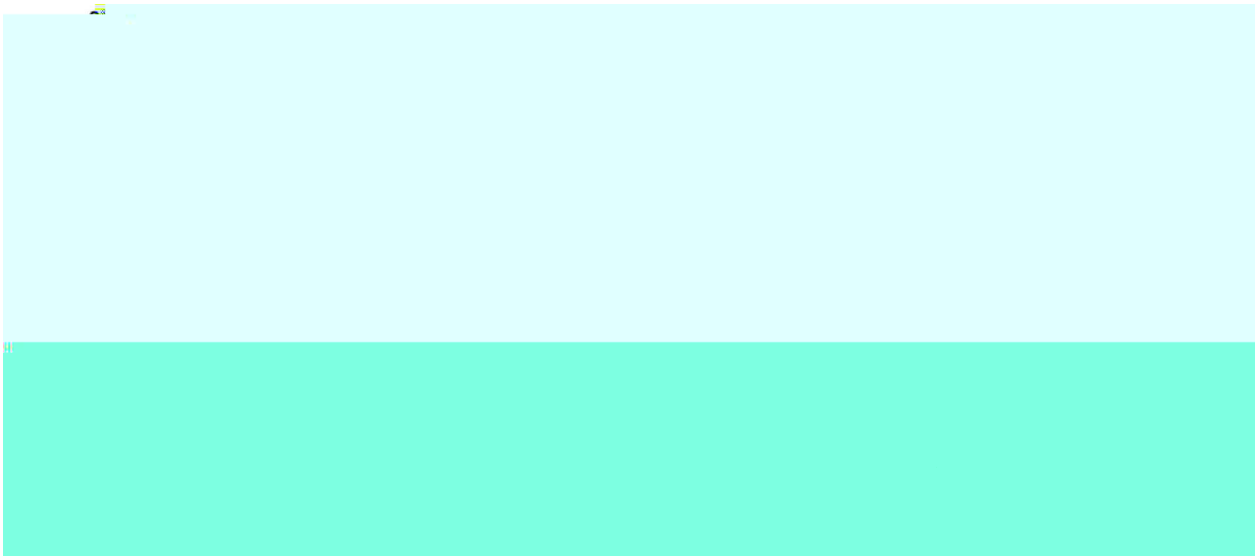
B857

B: h_{FE}

****

Note:

BR:	Company Code
B857:	Product Type.
B:	h_{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.



		Note:
1	25 150 60 90sec;	1.Preheating:25~150 , Time:60~90sec.
2	255±5 5±0.5sec;	2.Peak Temp.:255±5 , Duration:5±0.5sec.
3	2 10 /sec.	3. Cooling Speed: 2~10 /sec.

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

/ BULK

Package Type 封装形式	Units 包装数量				Dimension 包装尺寸 (unit: mm^3)
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	In	