

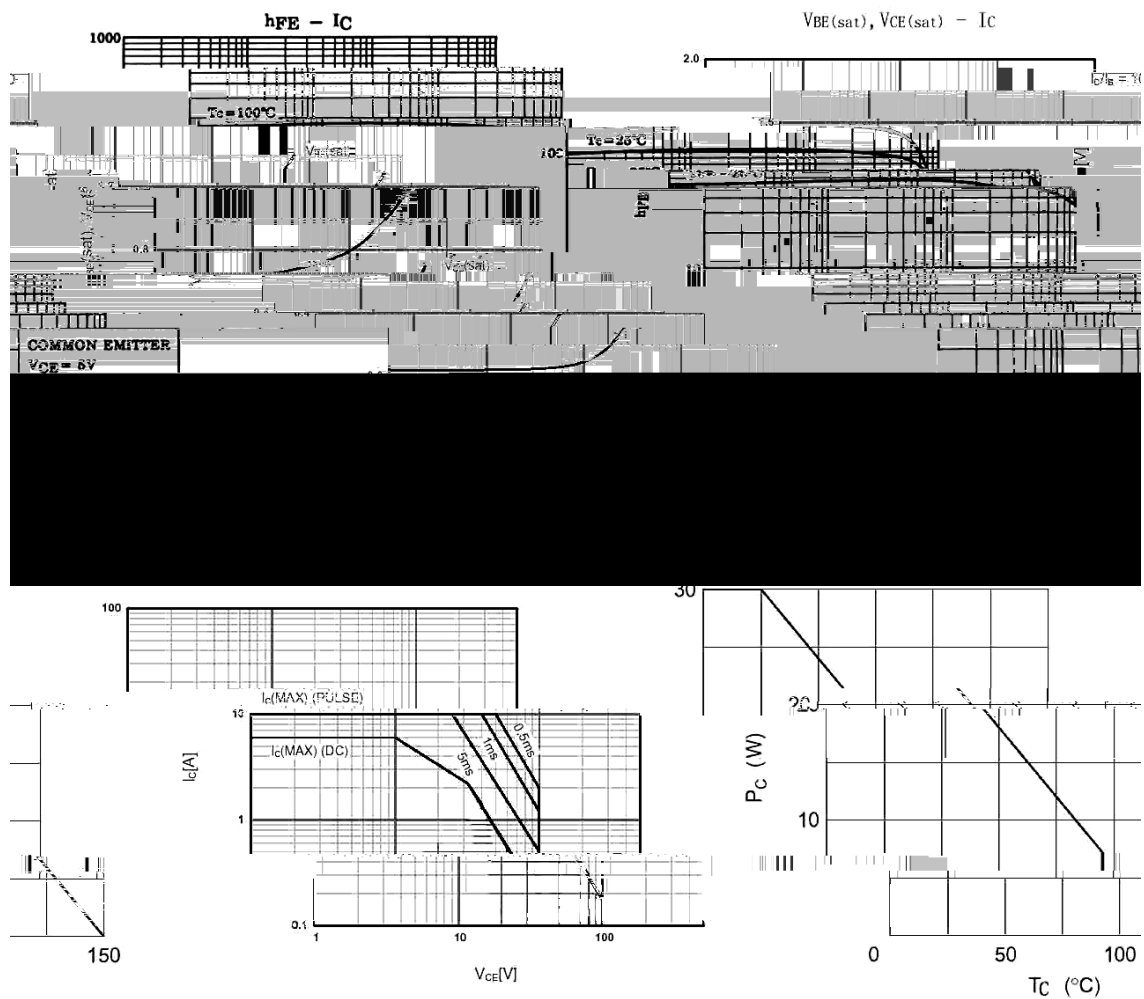
2SD1833
Rev.F Mar.-2016

TO-220F NPN Silicon NPN transistor in a TO-220F Plastic Package.

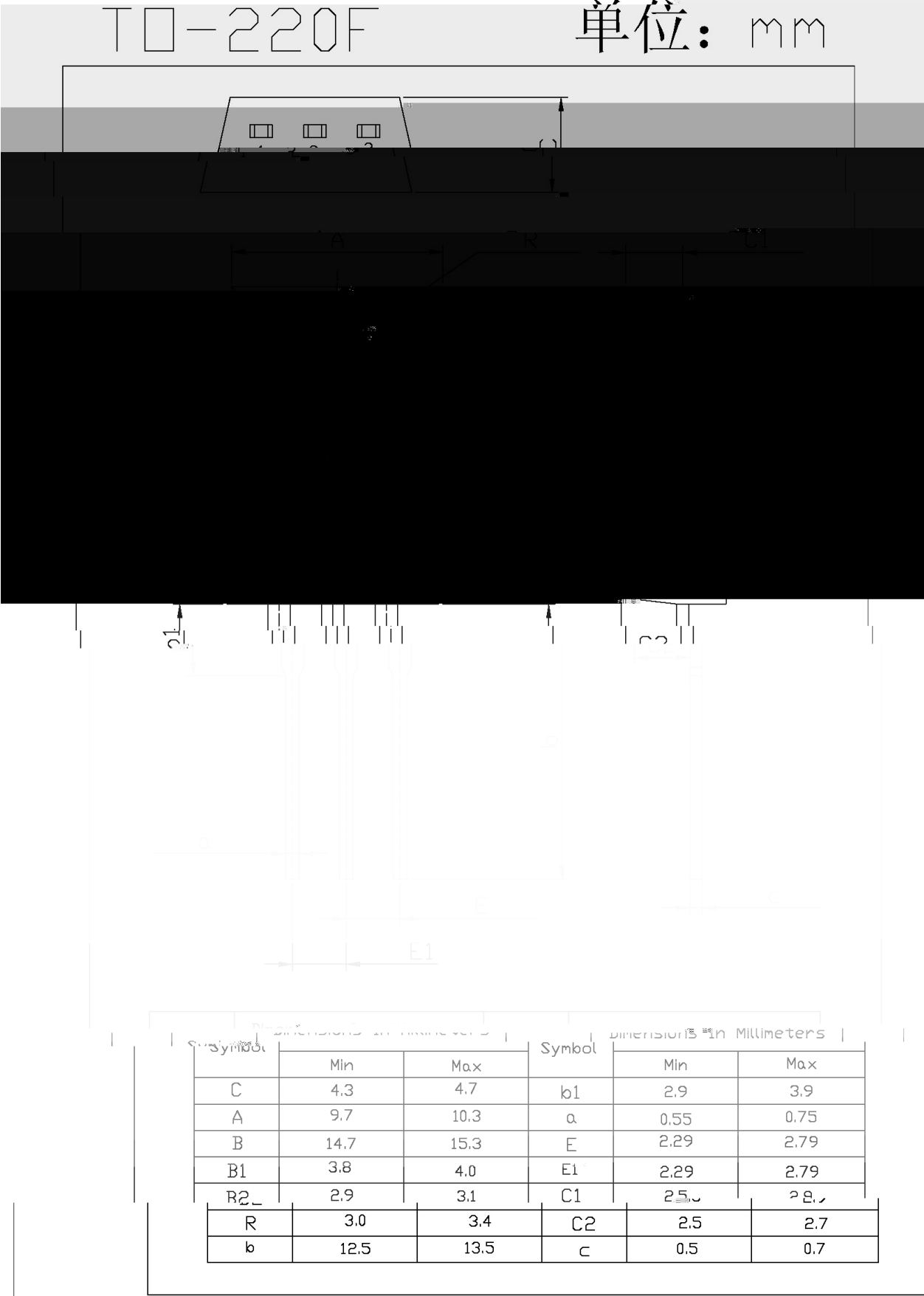
Low V_{CE} , , , 2SB1290

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	100	V
Collector to Emitter Voltage	V_{CEO}	80	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	7.0	A
Collector Current – Continuous(Pulse)	I_{CP}	10	A
Collector Power Dissipation	P_C	2.0	W
Collector Power Dissipation	$P_C(T_C=25^\circ\text{C})$	30	W
Junction Temperature	T_j	150	

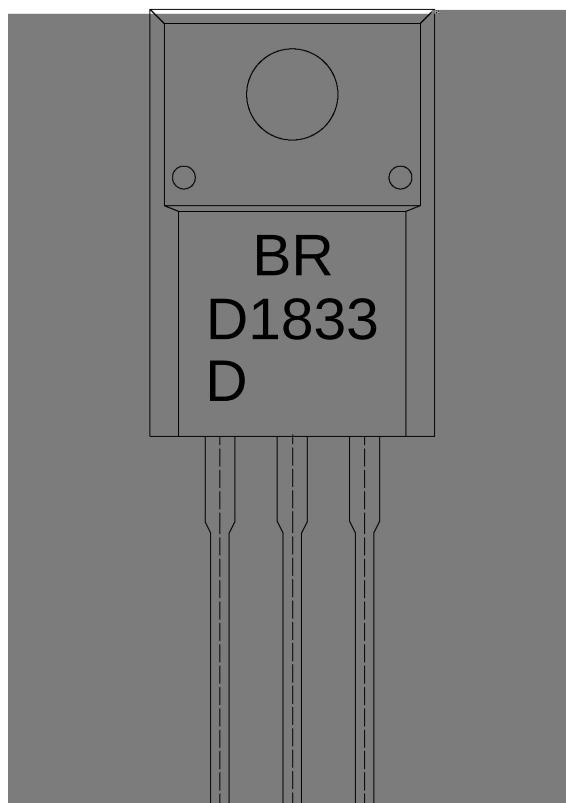
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

D1833

D: h_{FE}

Note:

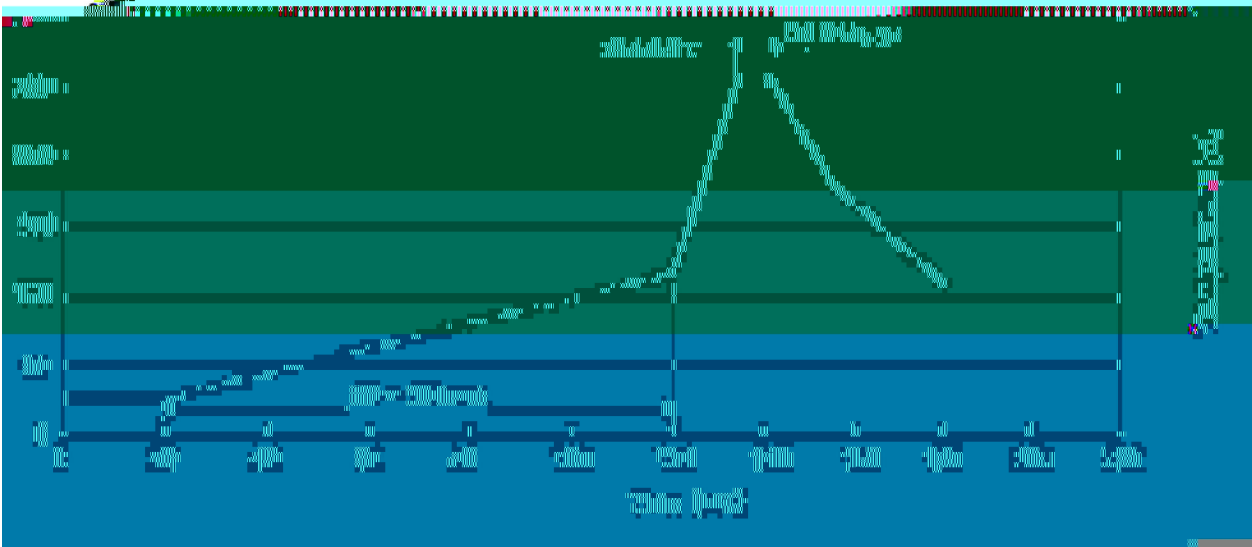
BR: Company Code.

D1833: Product Type.

D: h_{FE} Classifications Symbol

****: Lot No. Code, code change with Lot No.

() / Temperature Profile for Dip Soldering(Pb-Free)



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. |

/ Resistance to Soldering Heat Test Conditions

270±5	10±1 sec.	Temp.:270±5	Time:10±1 sec
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/ Packaging SPEC.

/ BULK

Package Type	Units 包装数量
封装形式	