SOT-23 PNP Silicon PNP transistor in a SOT-23 Plastic Package.

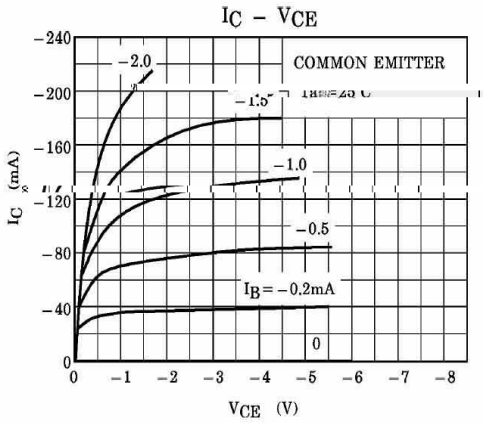
, , $h_{FE}$ , , 2SC1815M

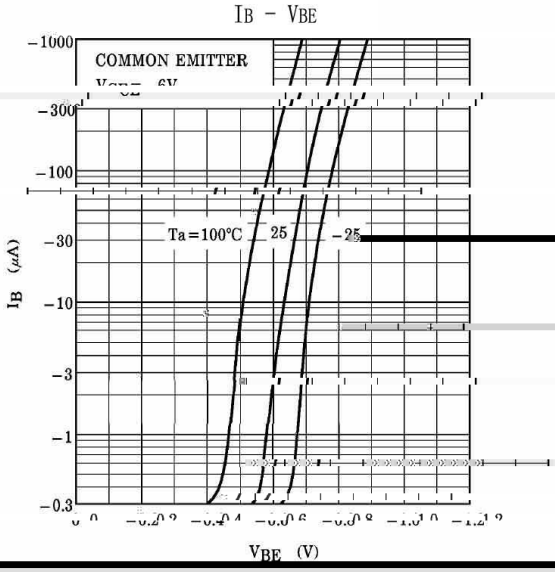
High voltage and high current, excellent $h_{FE}$1

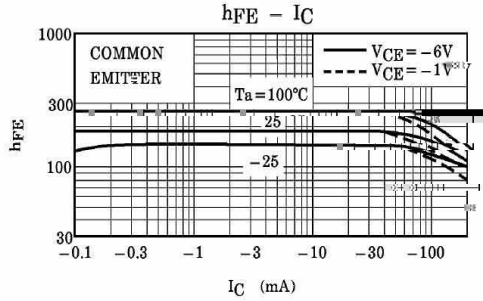
| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | -50 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | -50 | V |
| Emitter to Base Voltage | $V_{EBO}$ | -5.0 | V |
| Collector Current | $I_C$ | -150 | mA |
| Base Current | $I_B$ | -50 | mA |
| Collector Power Dissipation | $P_C$ | 300 | mW |
| Junction Temperature | $T_j$ | 150 | |
| Storage Temperature Range | $T_{stg}$ | -55 150 | |

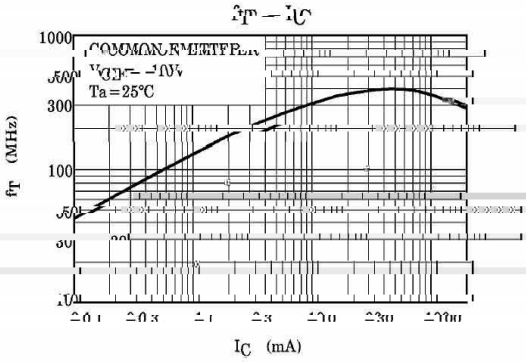
Parameter Symbol

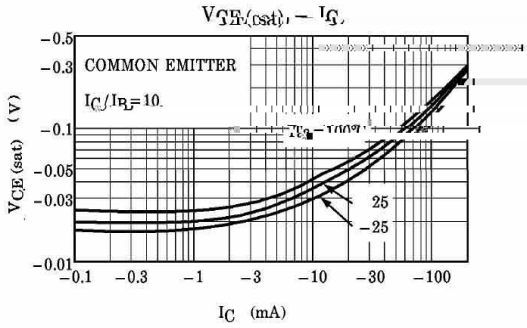
## / Electrical Characteristic Curve

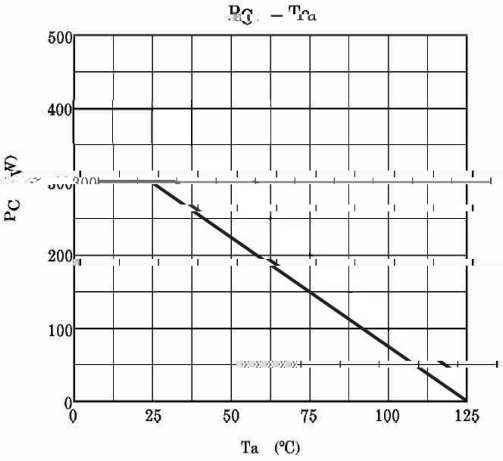


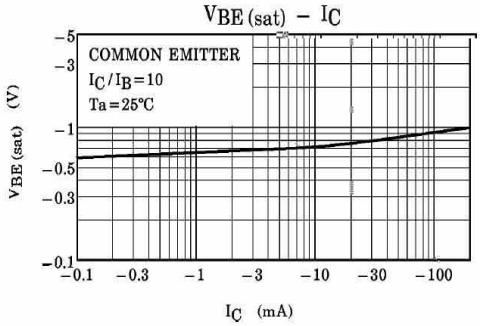



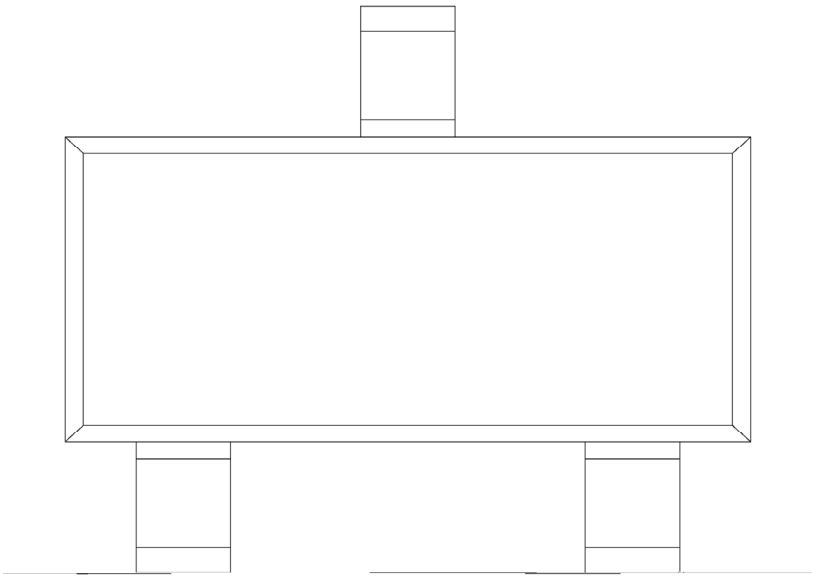



## / Marking Instructions



H

BA

O: $h_{FE}$

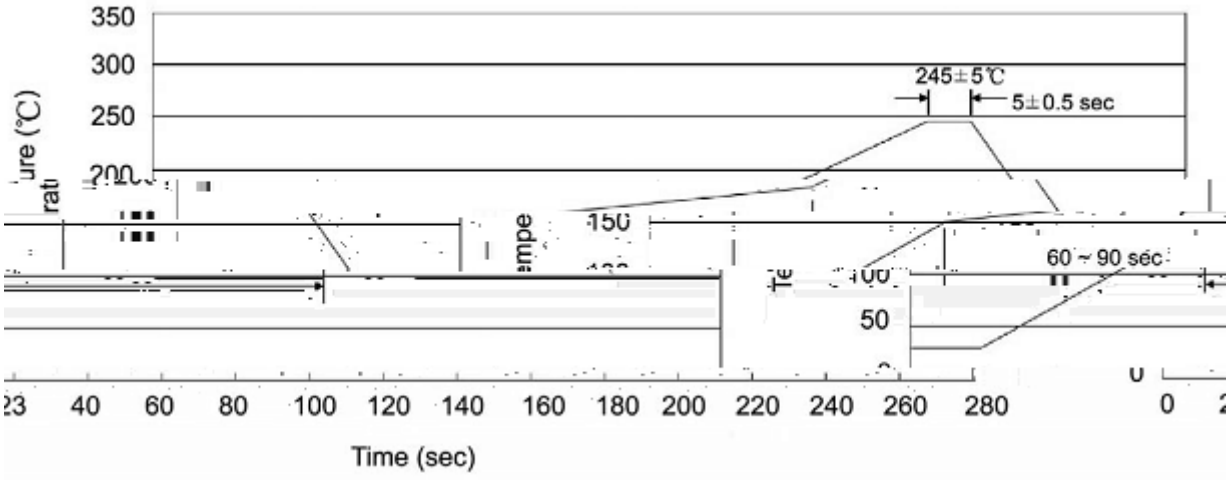
Note:

H: Company Code.

BA: Product Type Code

O: $h_{FE}$

## ( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)




Note:

| | | | | | |
|---|---|---|---|---|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | | | 5±0.5sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

## / Resistance to Soldering Heat Test Conditions

| | | | |
|---|---|---|---|
| 260±5 | 10±1 sec. | Temp.:260±5 | Time:10±1 sec |

## / Packaging SPEC.

/ REEL

| Package Type | Units | | | | | Dimension | | (unit mm$^3$) |
|---|---|---|---|---|---|---|---|---|
| | Units/Reel / | Reels/Inner Box / | Units/Inner Box / | Inner Boxes/Outer Box / | Units/Outer Box / | Reel | Inner Box | Outer Box |
| SOT-23 | 3,000 | 10 | 30,000 | 8 | 180,000 | 7 ρ ×8 | 180×120×180 | 390×385×205 |

## / Notices