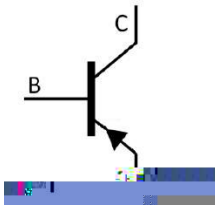
SOT-323 PNP

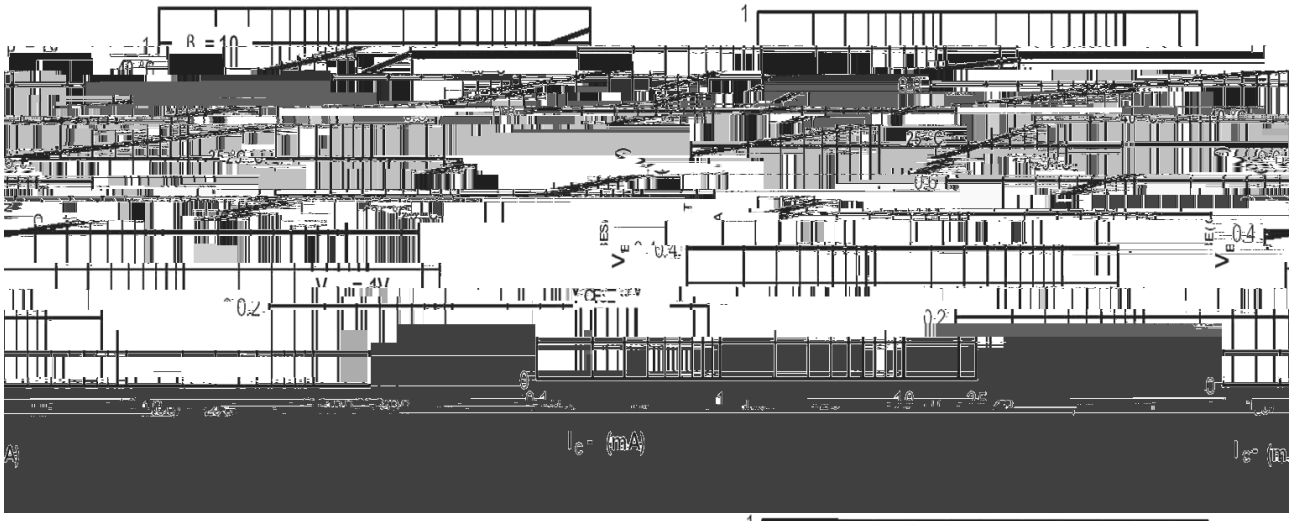


## / Electrical Characteristics(Ta=25 )

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| Transition Frequency | $f_T$ | $I_C$=-10mA $V_{CE}$=-20V f=100MHz | 250 | | | MHz |
| Collector output capacitance | $C_{ob}$ | $V_{CB}$=-5.0V f=1.0MHz | | | 4.5 | pF |
| Storage Time | $t_{stg}$ | $V_{CC}$=-3.0V $I_C$=-10mA $I_{B1}$=-$I_{B2}$=-1.0mA | | | 225 | ns |
| Fall Time | $t_f$ | $V_{CC}$=-3.0V $I_C$=-10mA $I_{B1}$=-$I_{B2}$=-1.0mA | | | 75 | ns |
| Delay Time | $t_d$ | $V_{CC}$=-3.0V $V_{BE}$=-0.5V $I_C$=-10mA $I_{B1}$=-1.0mA | | | 35 | ns |
| Rise Time | $t_r$ | $V_{CC}$=-3.0V $V_{BE}$=-0.5V $I_C$=-10mA $I_{B1}$=-1.0mA | | | 35 | ns |
| Input Capacitance | $C_{ib}$ | $V_{EB}$=-0.5V f=1.0MHz | | | 10 | pF |

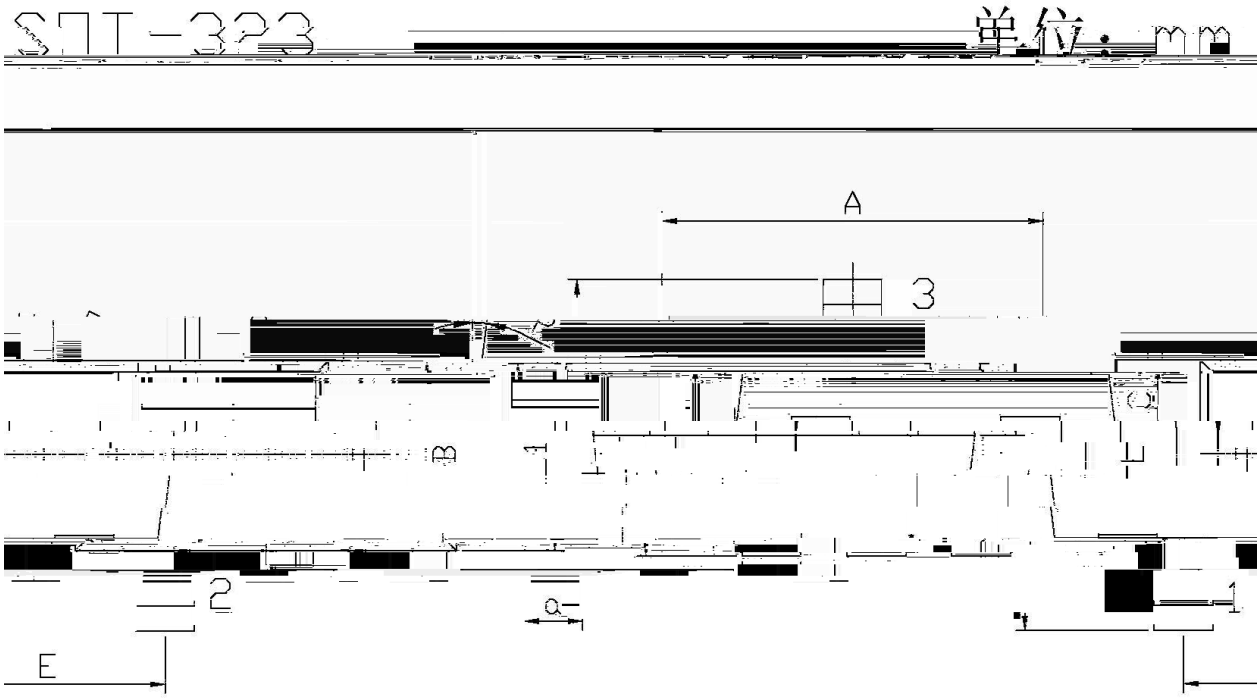
## / Electrical Characteristic Curve

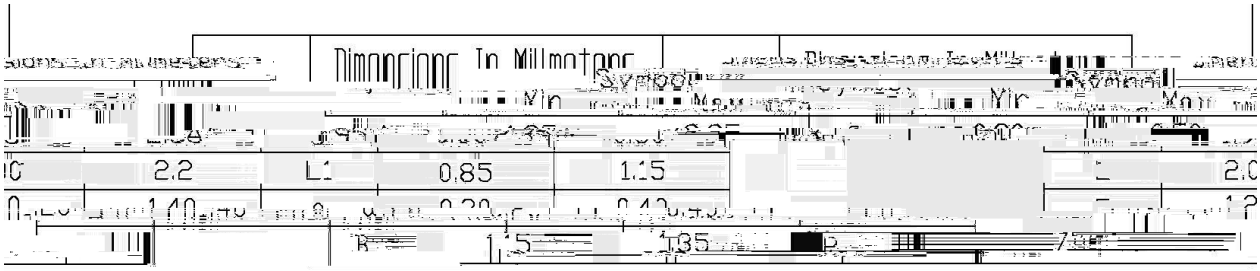


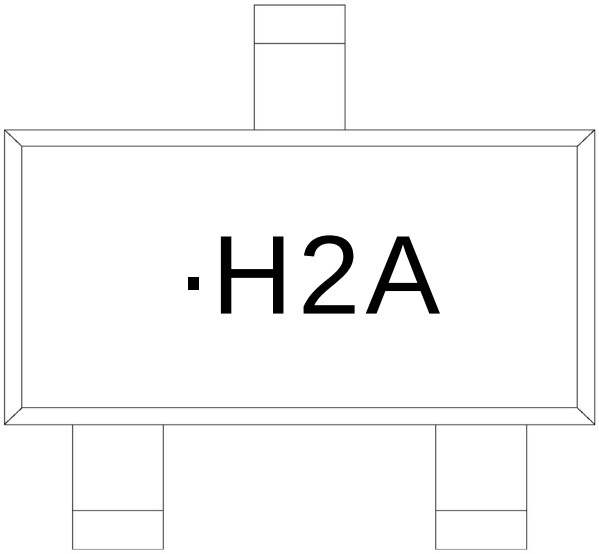



## / Package Dimensions



## / Marking Instructions




·

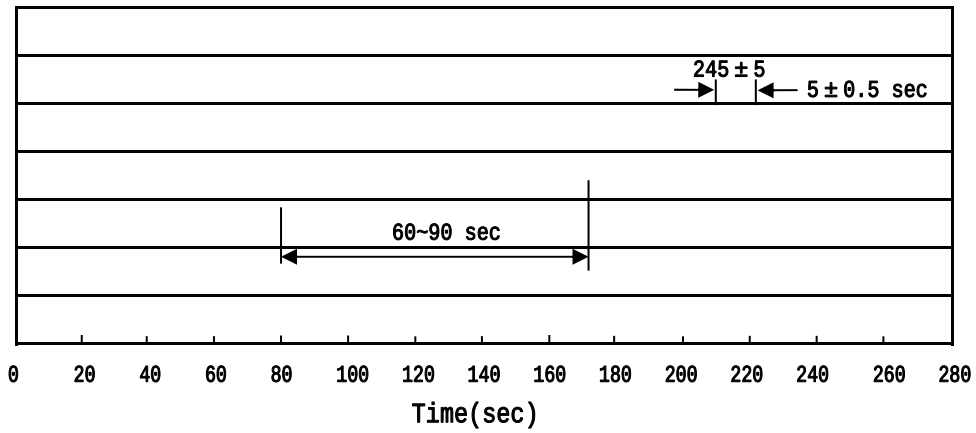
H

2A

Note:

| | |
|---|---|
| · | Identify |
| H: | Company Code |
| 2A: | Product Type Code |

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




| | | | |
|---|---|---|---|
| | | | Note: |
| 1 | 150 180 | 60 90sec; | 1.Preheating:150~180 , 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 mm³) |
|---|---|---|---|---|---|---|---|---|
| | Units/Reel / | Reels/Inner Box / | Units/Inner Box / | Inner Boxes/Outer Box / | Units/Outer Box / | Reel | Inner Box | Outer Box |
| SOT-323 | 3,000 | 10 | 30,000 | 6 | 180,000 | 7 ×8 | 180×120×180 | 390×385×205 |

## / Notices