

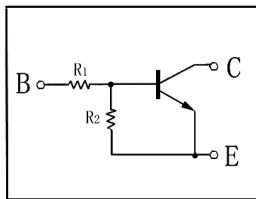
Rev.A Jun.-2022

SOT-23                      NPN                      Silicon NPN Digital transistor in a SOT-23 Plastic Package.

AEC-Q101

With built-in bias resistors, simplify circuit design, reduce a quantity of parts and manufacturing process, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

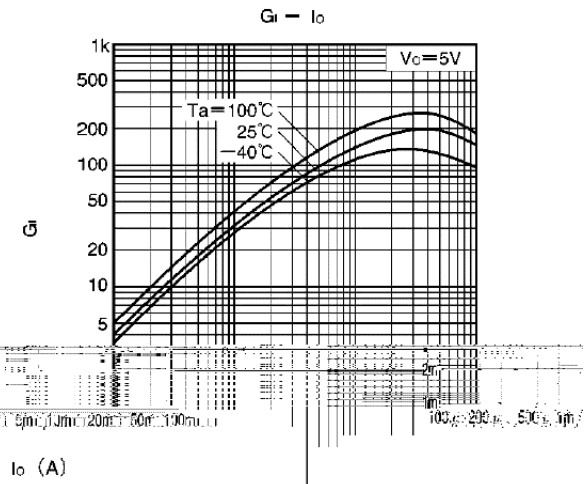
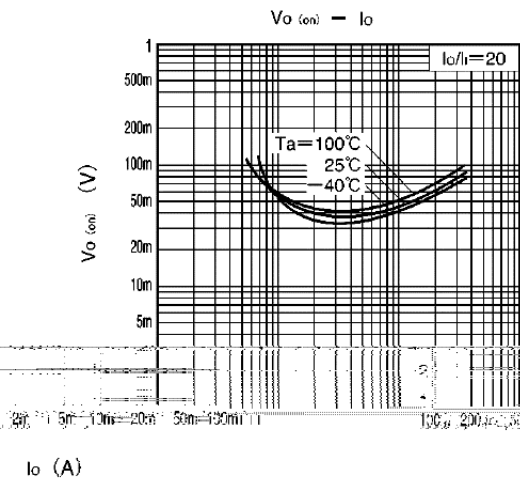
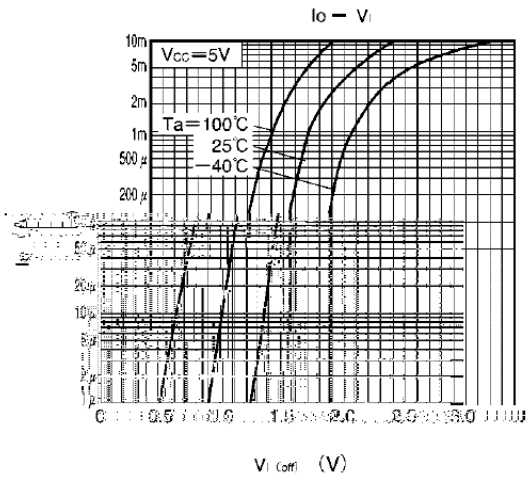
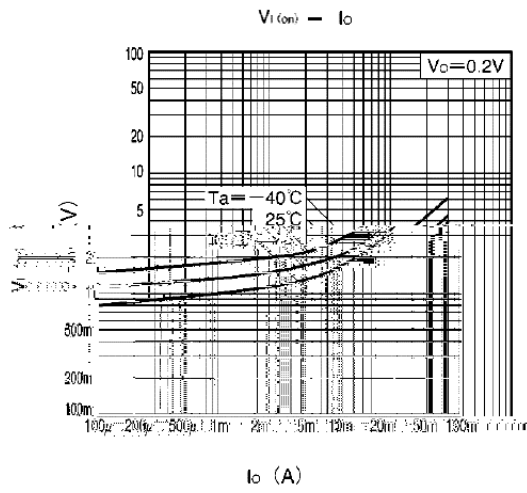
Switching, inverter circuit, interface circuit and driver circuit applications, Meet the stringent requirements of automotive applications.



PIN 1 Base                      PIN 2 Emitter                      PIN 3 Collector

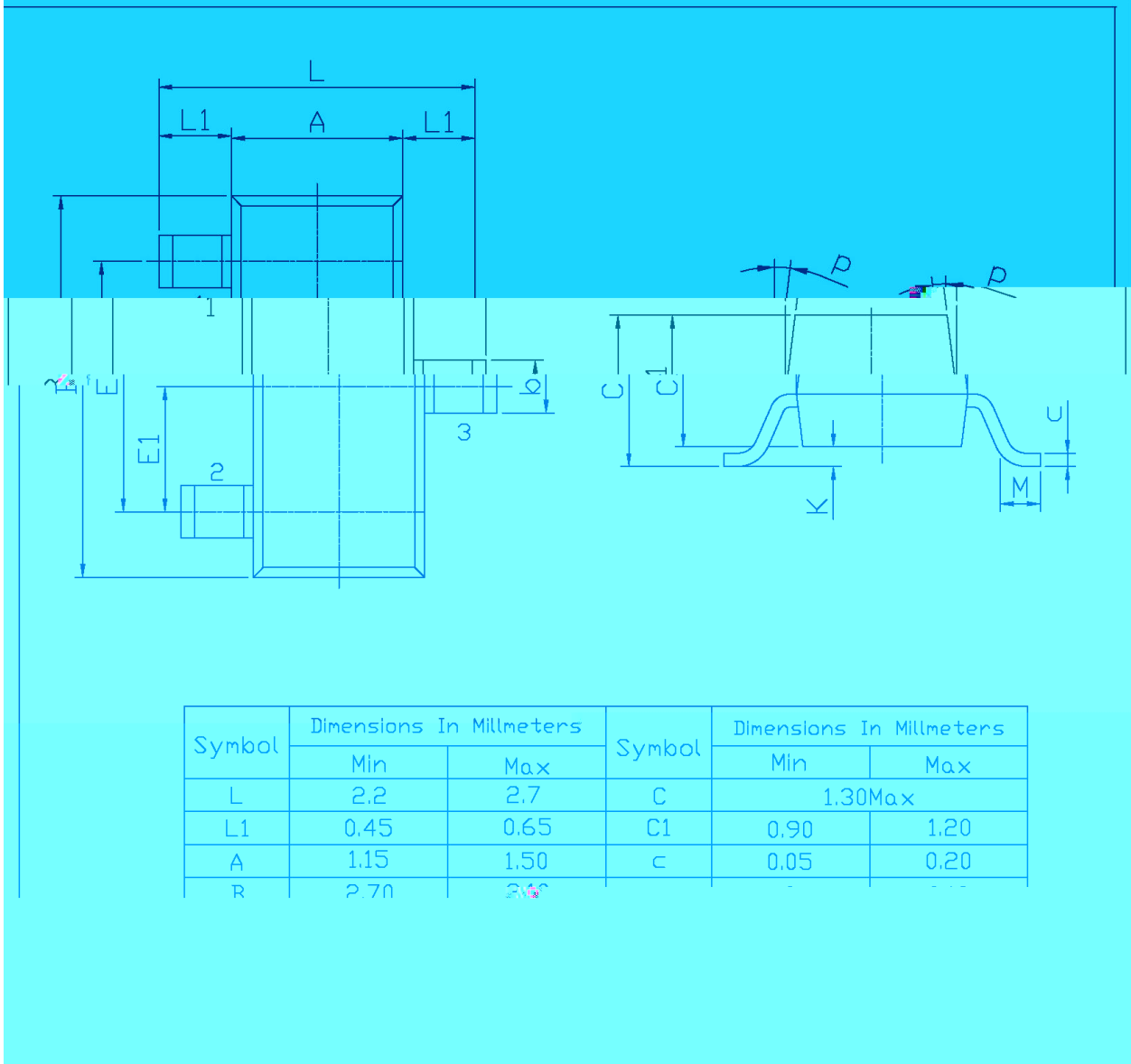
Marking	Q25
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Parameter	Symbol	Rating	Unit
Output Voltage	$V_{CC}$	50	V
Input Voltage	$V_{IN}$		



SOT-23

单位: mm





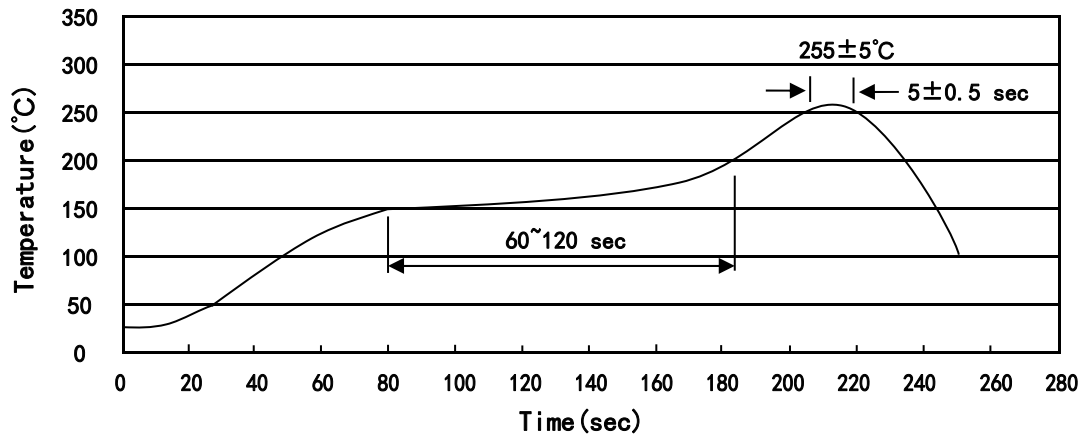
Q

25

Note:

Q: Automobile halogen-free product Code

25 Product Type Code

**Temperature Profile for IR Reflow Soldering(Pb-Free)**


Note:

- |   |       |     |           |         |   |
|---|-------|-----|-----------|---------|---|
| 1 | 150   | 200 | 60        | 120sec; | 1.Preheating:150~200 , Time:60~120sec.  |
| 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.            |

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type	Units					Dimension		(unit mm <sup>3</sup> )