

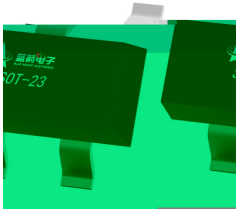
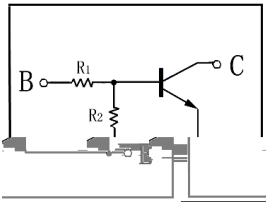
Rev.A Jun.-2022

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.

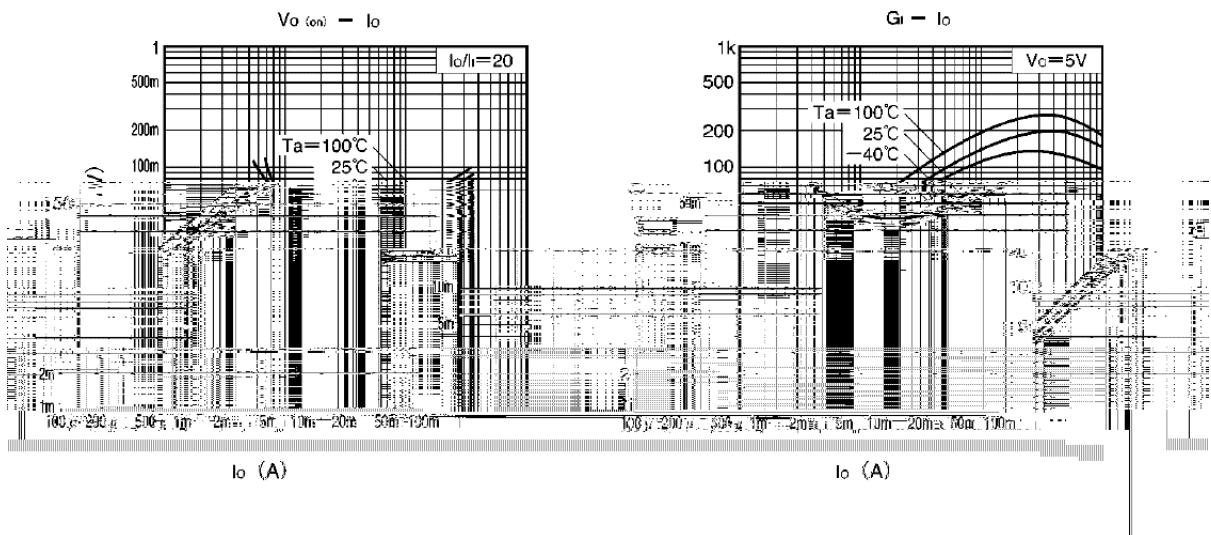
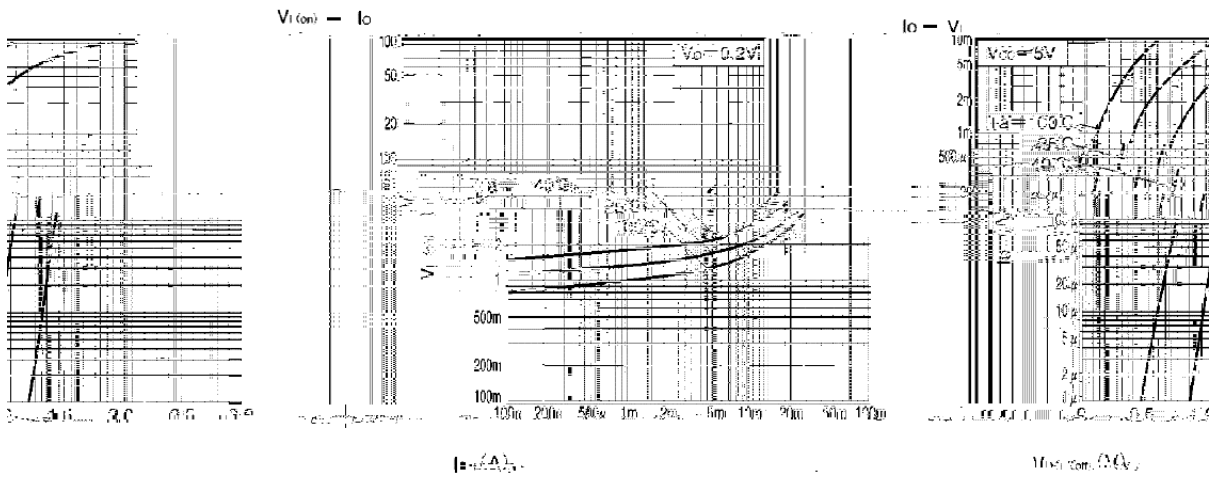
Switching, inverter circuit, interface circuit and driver circuit applications, Meet the stringent requirements of automotive applications.

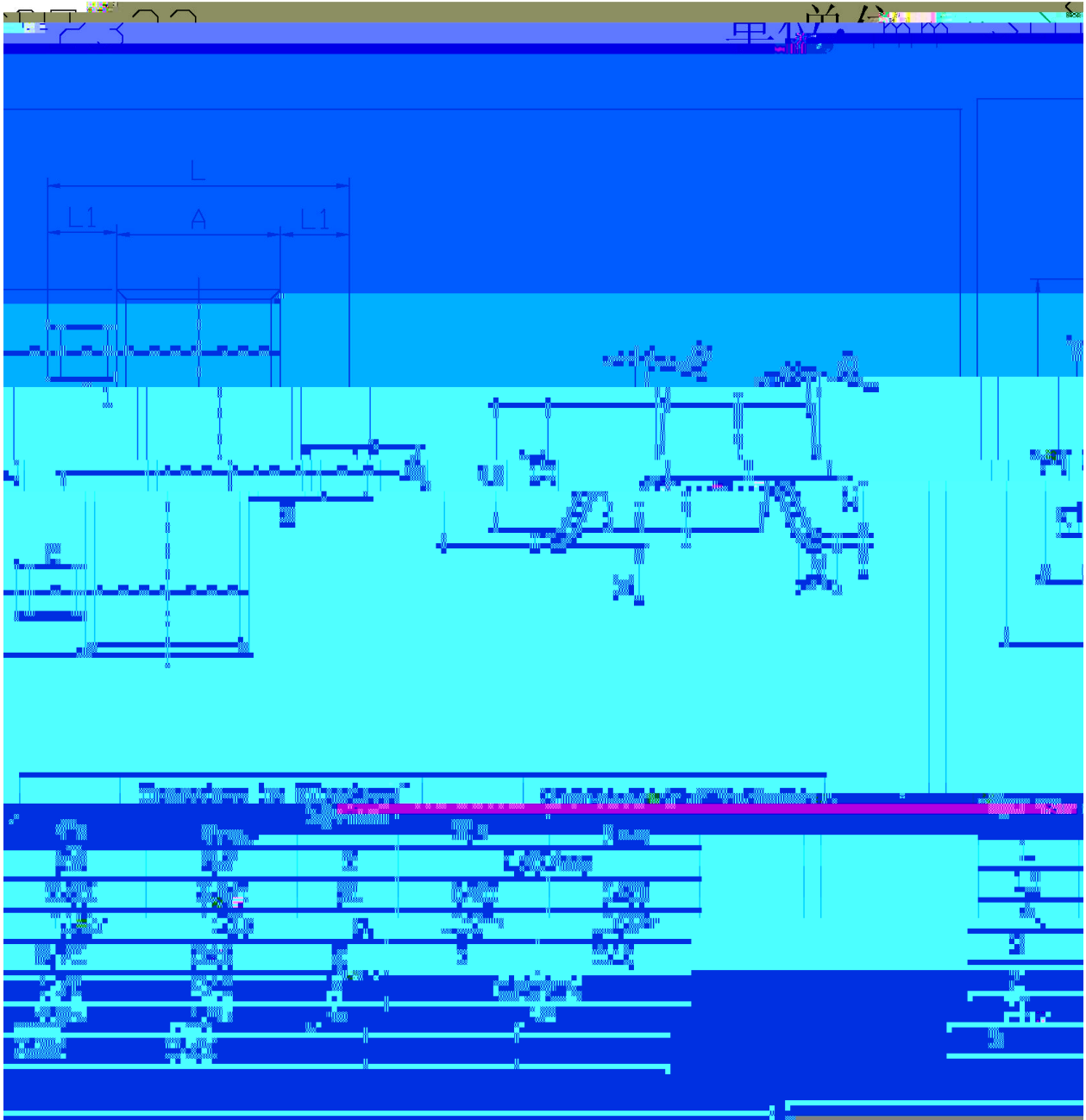


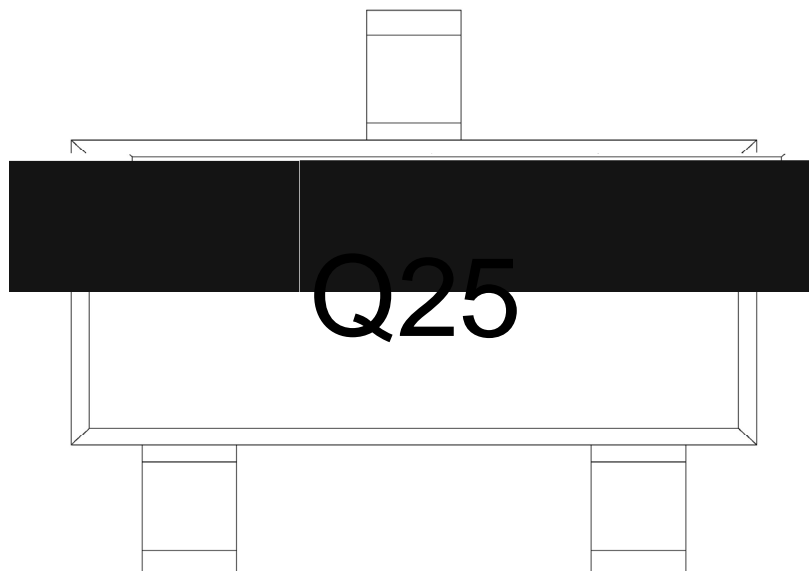
PIN 1 Base                      PIN 2 Emitter                      PIN 3 Collector

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







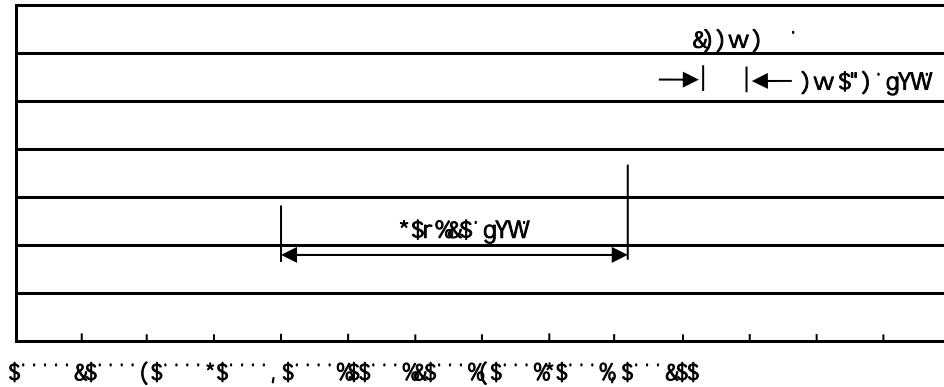
Q

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> )		
	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	6	180,000	7 ×8	180×120×180	390×385×205