/ Descriptions

SOT- 3 PNP Silicon PNP transistor in a SOT-23 Plastic Package.

/ Features

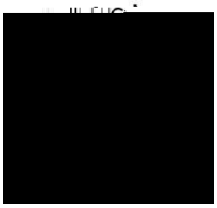
AEC-Q101

Low current, Low voltage, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

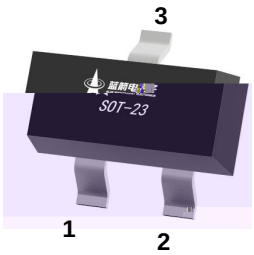
/ Applications

General power amplifier application, Meet the stringent requirements of automotive applications.

/ Equivalent Circuit



/ Pinning



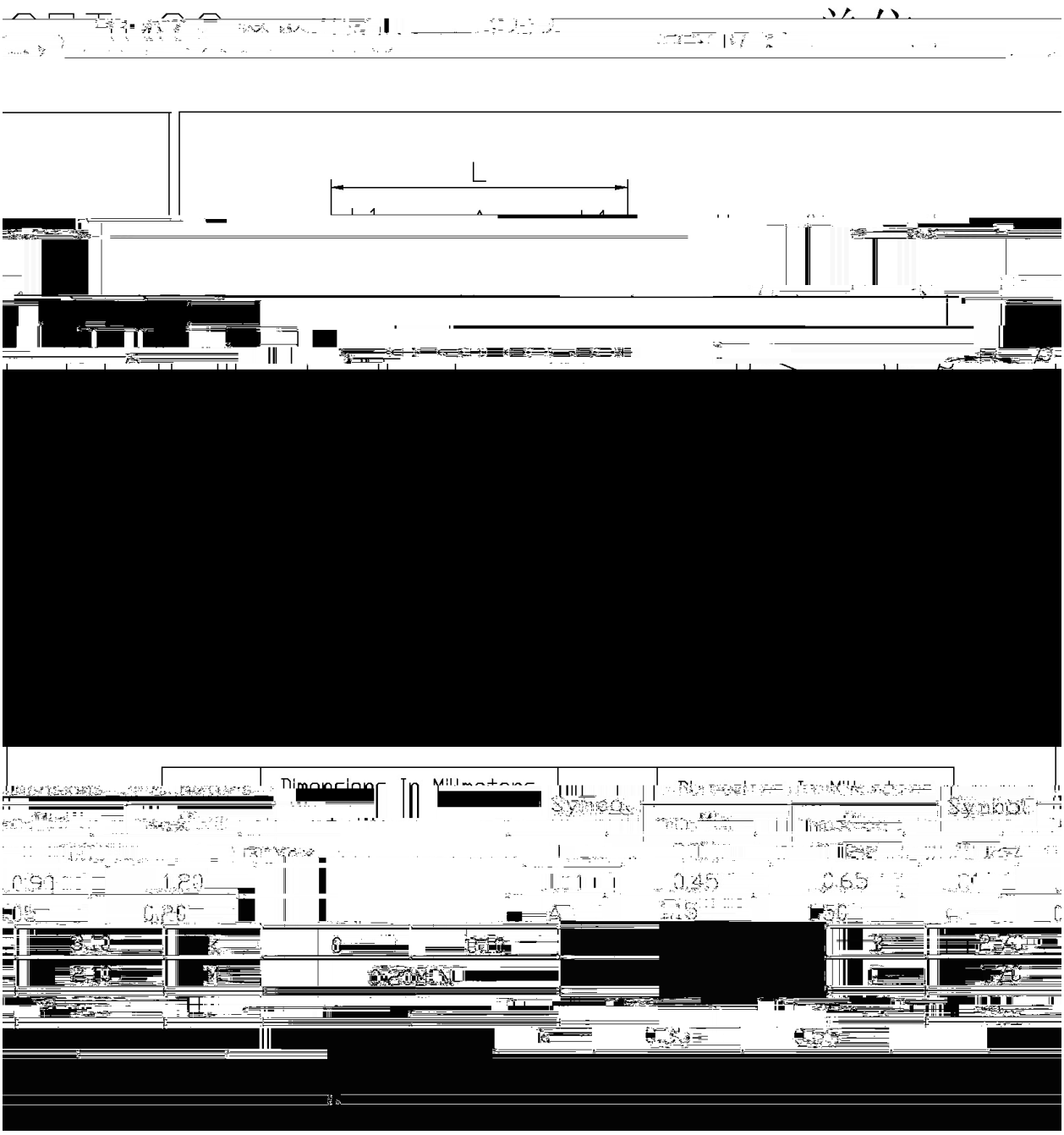
PIN1 Base PIN 2 Emitter PIN 3 Collector

/ h_{FE} Classifications & Marking

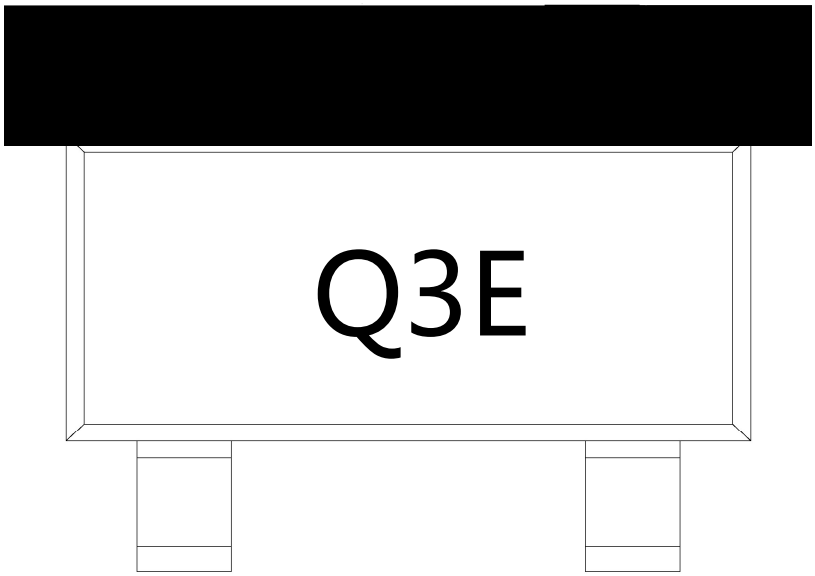
h_{FE} Classifications Symbol	A	B	C
h_{FE} Range	125～250	220～475	420～800
Marking	Q3E	Q3F	Q3G

Parameter	Symbol	Rating	Unit

/ Package Dimensions



/ Marking Instructions



Q

3E

Note:

Q: Automobile halogen-free product Code

3E: 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.

/ Resistance to Soldering Heat Test Conditions

260±5℃	10±1 sec.	Temp.:260±5℃	Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type