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/ 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.

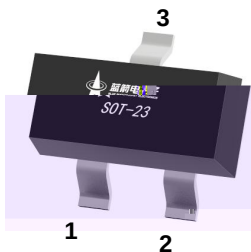
/ Applications

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

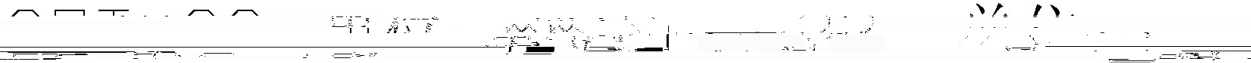
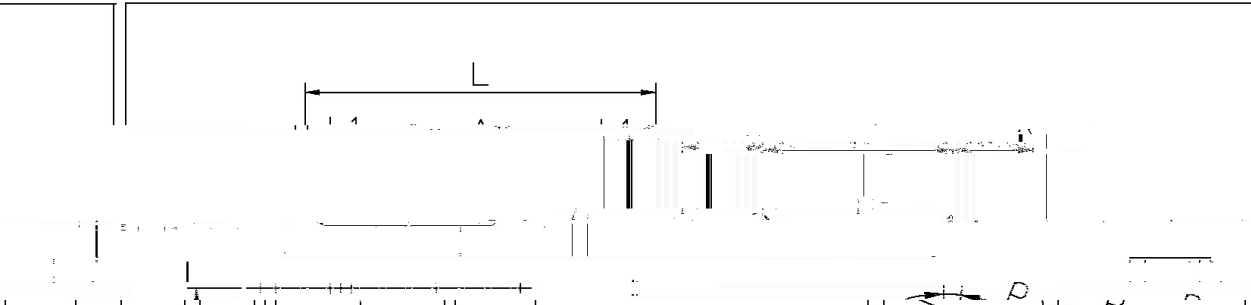
Parameter

Symbol

Rating

Unit

/ Package Dimensions



Dimension	Millimeter	Symbol	Dimension	Millimeter	Symbol
L	0.45	L	0.65	0.01	F91
A	0.35	A	0.50	0.01	F92
W	0.20	W	0.20	0.01	F93
D	0.20	D	0.20	0.01	F94

/ 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
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/ Packaging SPEC.

/ REEL

Package Type