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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.

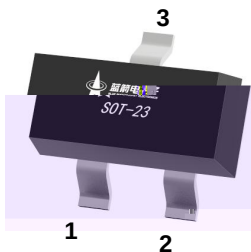
/ Applications

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

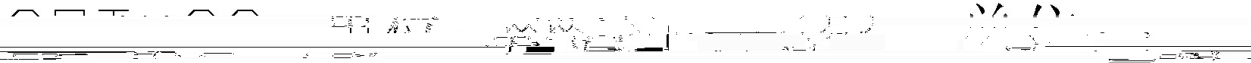
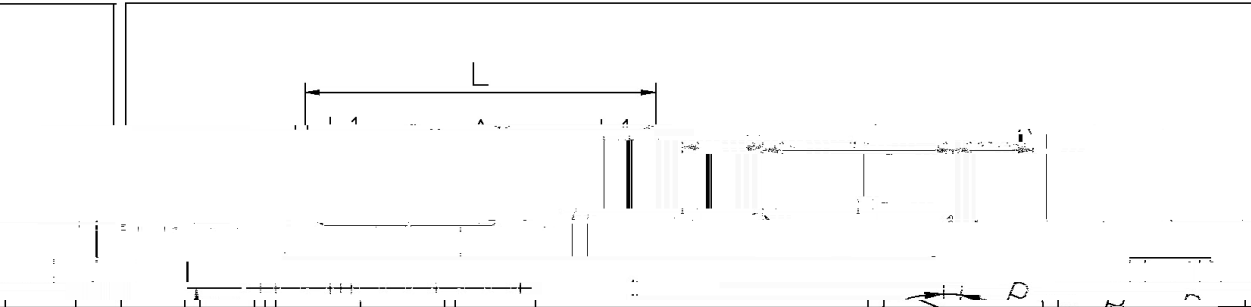
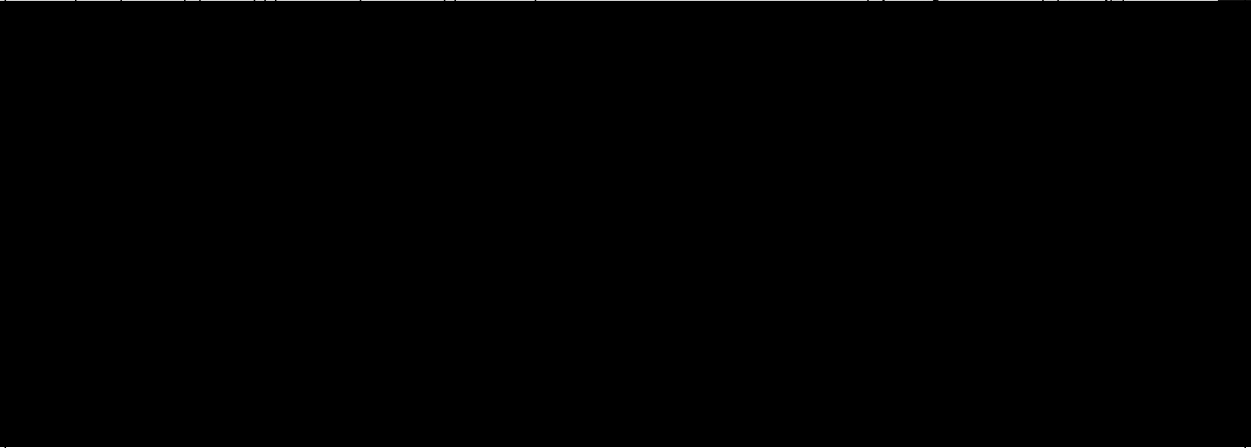
Parameter

Symbol

Rating

Unit

/ Package Dimensions



Dimension	Millimeter	Symbol	Dimension	Millimeter	Symbol
L	0.45	L	0.65	L	L
W	0.35	W	0.35	W	W
D	0.35	D	0.35	D	D
A	0.35	A	0.35	A	A
B	0.35	B	0.35	B	B
C	0.35	C	0.35	C	C
E	0.35	E	0.35	E	E
F	0.35	F	0.35	F	F
G	0.35	G	0.35	G	G
H	0.35	H	0.35	H	H
I	0.35	I	0.35	I	I
J	0.35	J	0.35	J	J
K	0.35	K	0.35	K	K
L	0.35	L	0.35	L	L
M	0.35	M	0.35	M	M
N	0.35	N	0.35	N	N
O	0.35	O	0.35	O	O
P	0.35	P	0.35	P	P
Q	0.35	Q	0.35	Q	Q
R	0.35	R	0.35	R	R
S	0.35	S	0.35	S	S
T	0.35	T	0.35	T	T
U	0.35	U	0.35	U	U
V	0.35	V	0.35	V	V
W	0.35	W	0.35	W	W
X	0.35	X	0.35	X	X
Y	0.35	Y	0.35	Y	Y
Z	0.35	Z	0.35	Z	Z

/ 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