

/ Descriptions

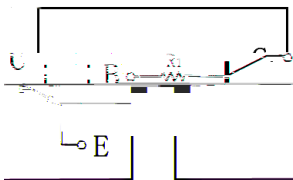
SOT-23 NPN Silicon NPN Digital transistor in a SOT-23 Plastic Package.

/ Features

With built-in bias resistors, simplify circuit design, reduce a quantity of parts and manufacturing process. HF Product.

/ Applications

Switching, inverter circuit, interface circuit and driver circuit applications.

/ Equivalent Circuit**/ Pinning**

PIN 1 Base PIN 2 Emitter PIN 3 Collector

/ h_{FE} Classifications & Marking

Marking	H03
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/ Package Dimensions

Technical drawing of a mechanical part, likely a shaft or rod, showing dimensions in millimeters. The drawing includes a cross-section view and a table of dimensions.

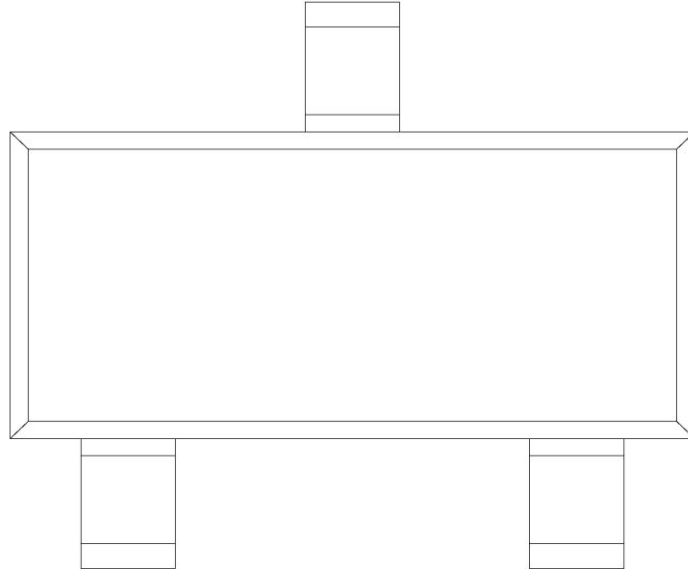
Dimensions in Millimeters:

Min	Max	SYMBOL	Unit	Value
0.45	0.65	L1	mm	0.50 ± 0.05
1.50	1.65	C	mm	0.05
3.10	3.20	K	mm	0.10
2.10	2.20	M	mm	0.20 MIN
1.05	1.15	P	mm	7°
0.55	0.65		mm	

Table:

Symbol	Value
A	1.15
B	2.70
E	1.70
E1	0.85
b	0.35

/ Marking Instructions



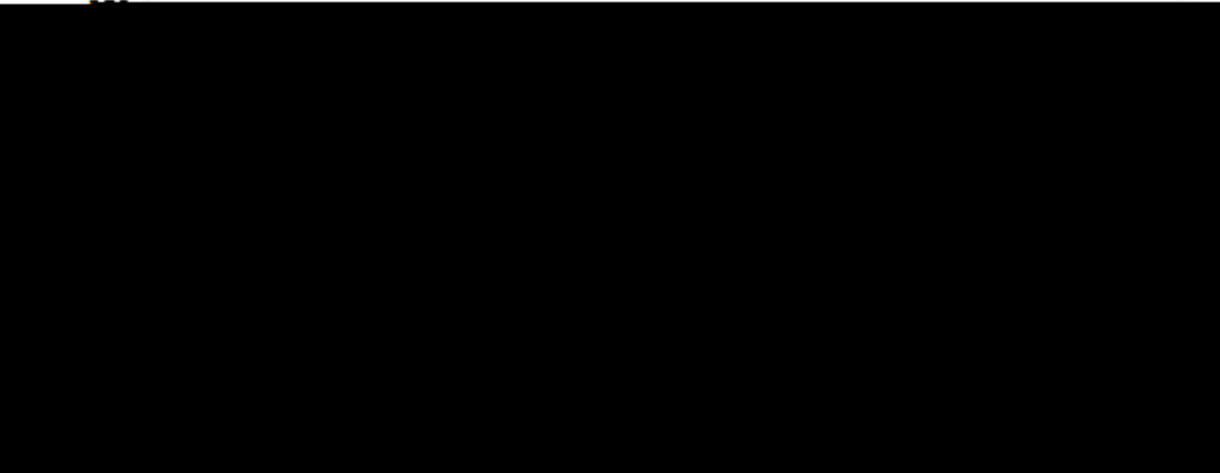
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Note:

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



Note:

- | | | | | | |
|---|-------|-----|----|-----------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | | 2 | 5±0.5sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | 2 | | | |