VRW0;<　ṂṂ Ⱡ ɔ ʁ ɲ ʗQ ʜ

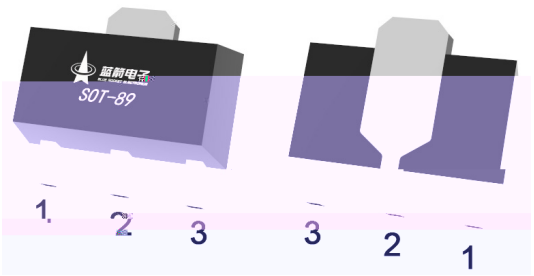
Voltage Regulator in a SOT-89 Plastic Package.

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3-Terminal regulators ,output current up to 100 mA, internal thermal overload protection and short-circuit limiting, HF Product.

ɔ ʁ ɲ ʗQ ʜ

Voltage Regulator.




PIN1 χ OUT　　PIN 2 χ GND　　PIN 3 χ IN

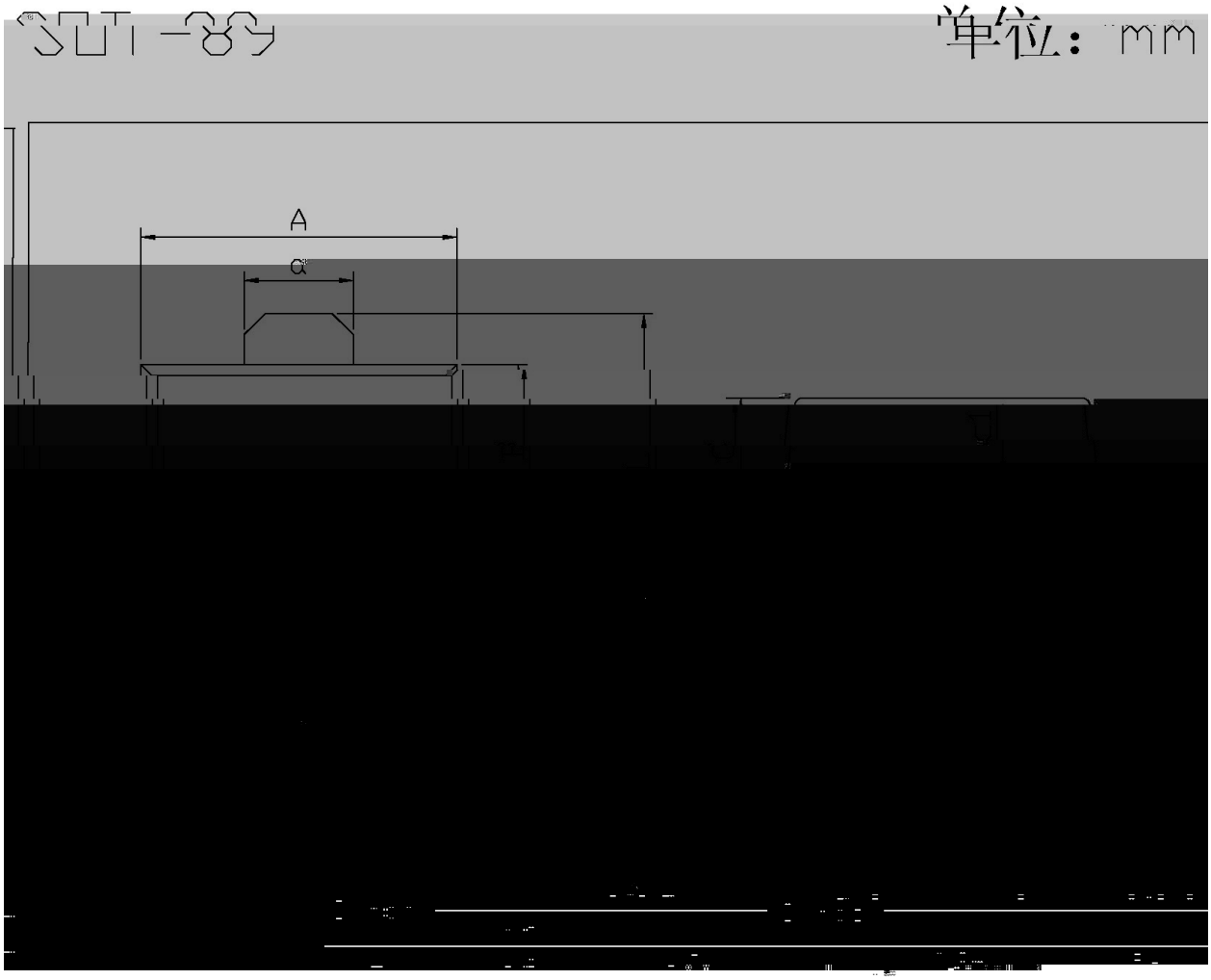
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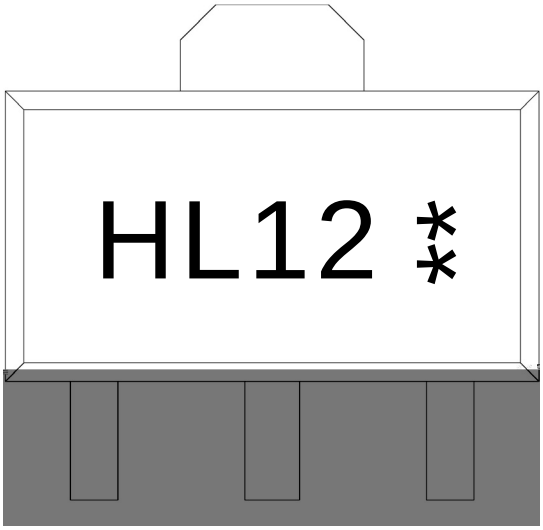
See Marking Instructions.

| v ̈Ω<br>Parameter | ϒ N<br>Symbol | ̈Ω Ö<br>Rating | D Ч<br>Unit |
|---|---|---|---|
| Input voltage | $V_I$ | 36 | V |
| Output current | $I_O$ | 100 | mA |
| Operating virtual Junction temperature | $T_J$ | 0 125 | |
| Power Dissipation | $P_D$ | 500 | mW |
| Storage temperature range | $T_{stg}$ | -65 150 | |
| Thermal resistance junction-ambient | $R_{\theta JA}$ | 200 | /W |

| v ̈Ω<br>Parameter | ϒ N<br>Symbol | Ы : ˆ Ţ<br>Test Conditions | ώ ṇ Ö<br>Min | Ɛ ʒ Ö<br>Typ | ώ ² Ö<br>Max | D Ч<br>Unit |
|---|---|---|---|---|---|---|
| Output voltage | $V_O$ | $I_o$ 40mA $T_j$=25 | 11.5 | 12 | 12.6 | V |
| | | $I_O$=1mA to 40mA<br>$V_I$=14.5V to 27V | 11.4 | | 12.6 | V |
| | | $I_O$=1mA to 70mA<br>$V_I$=19V | 11.4 | | 12.6 | V |
| Input regulation | Vo | $V_I$=14.5V to 27V $T_j$=25 | | 24 | 250 | mV |
| | | $V_I$=16V to 27V $T_j$=25 | | 12 | 200 | mV |
| Output regulation | $V_O$ | $I_O$=1mA to 100mA<br>$T_j$=25 | | 36 | 100 | mV |
| | | $I_O$=1mA to 40 mA<br>$T_j$=25 | | 24 | 50 | mV |
| Ripple rejection | RR | $V_I$=15V to 25V f=120Hz<br>$T_j$=25 | 36 | 42 | | dB |
| Output noise voltage | $V_N$ | f=10Hz~100KHz $T_j$=25 | | 80 | | μV |
| Dropout voltage | $V_D$ | $T_j$=25 | | 2 | | V |
| Bias current | $I_Q$ | $T_j$=25 | | 2.0 | 5.5 | mA |
| Bias current change | $I_Q$ | $V_I$=16V to 27V | | | 1.5 | mA |
| | | $I_O$=1mA to 40mA | | | 0.1 | mA |

SOT-89 单位：mm






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L12 χ ᑕ ϫ ᴺ ᒣ

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Note:

H: Company Code

L12: Product Type Code

**: Lot No. Code, code change with Lot No

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

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Note: