

/ Revised record

版本	修订日期	有修订的页码	修订涉及的内容	拟制	审核
A	2022-8-12	ALL	ALL	张韶辉	

/ Descriptions

SOT-89

Low dropout linear regulator in a SOT-89 Plastic Package .

/ Features

20V

1.5 μ A

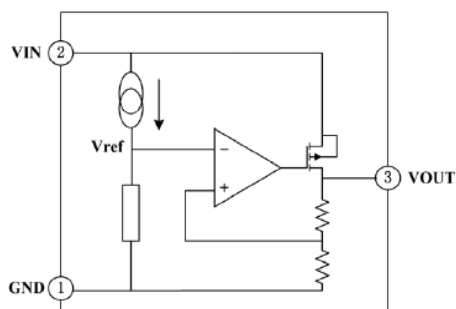
2%

Low power consumption,Low voltage drop,Small temperature drift coefficient,High input voltage up to 20V,The static current 1.5 μ A,The output voltage accuracy: $\pm 2\%$,HF Product.

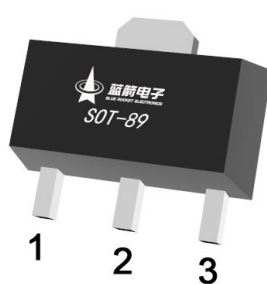
/ Applications

For use in power equipment,Communication equipment,Audio and video equipment.

/ Equivalent Circuit



/ Pinning



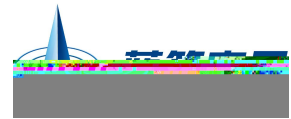
PIN1 GND

PIN 2 VIN

PIN 3 VOUT

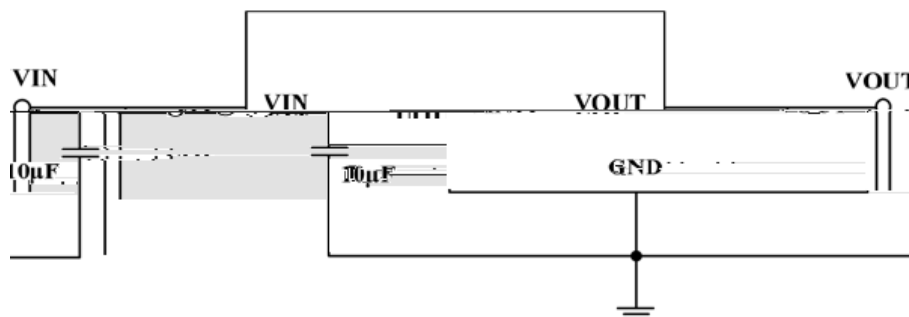
/ Marking

/ See Marking Instructions.

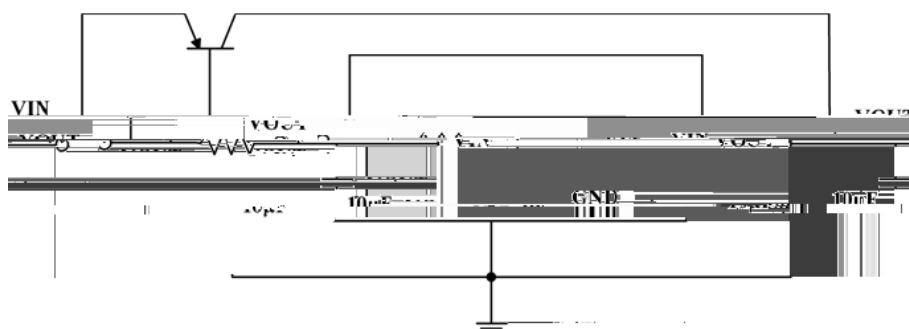


/ Typical Application Circuit

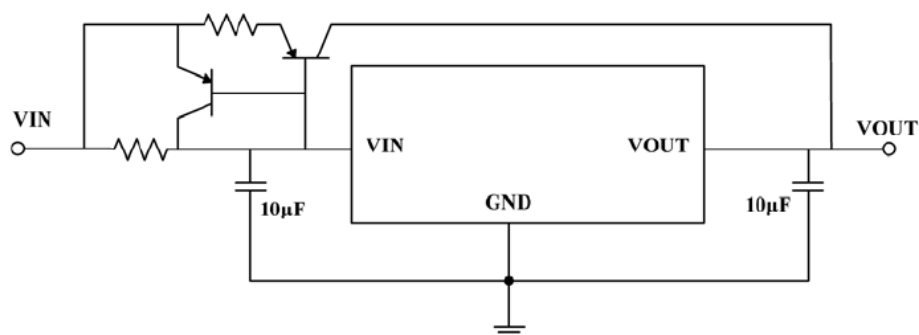
/ Basic Application



/ High Output Current Voltage Regulator



/ Short-Circuit Protection



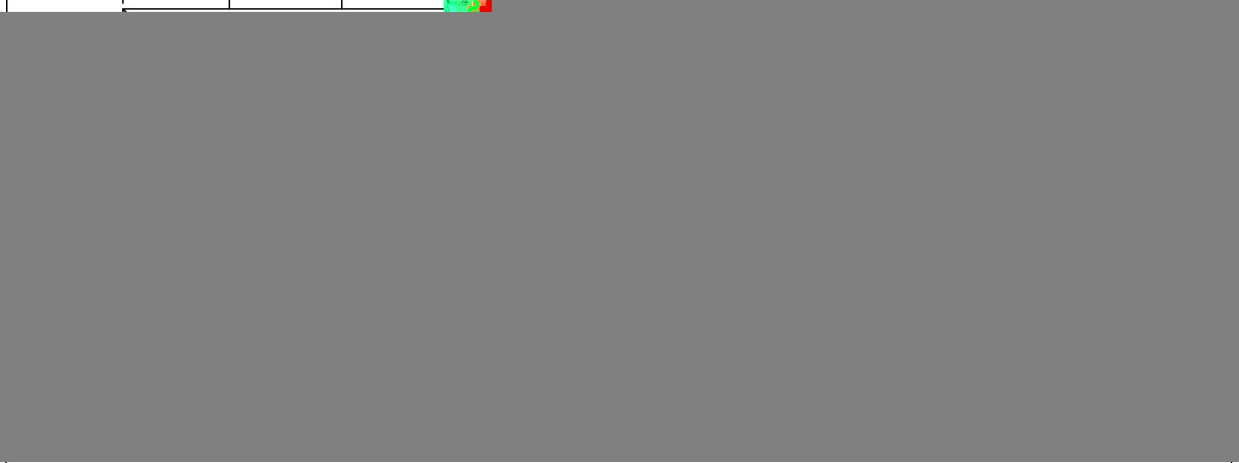
/ Typical Application Circuit

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/ Package Dimensions

SQT-89

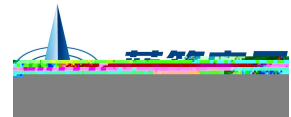
单位: mm



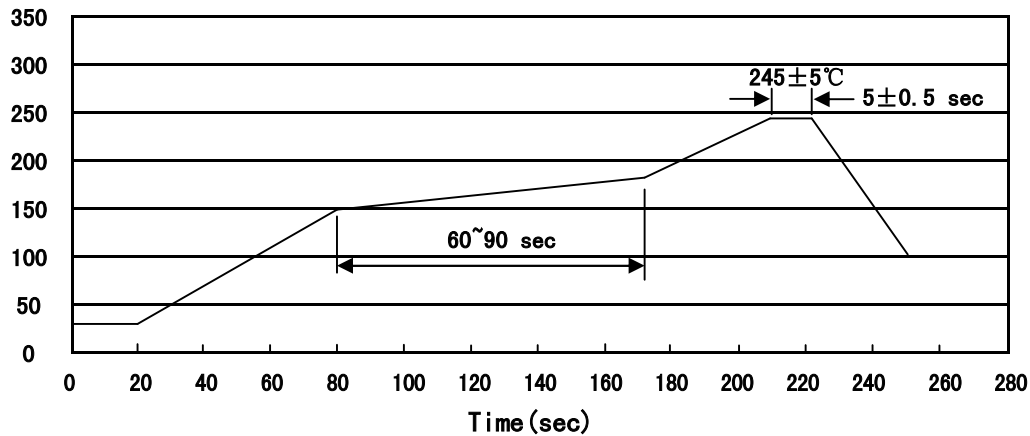
Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
A	4.4	4.7	a1	0.36	0.56
B	3.25	3.65		0.36	0.56







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



Note:

- | | | | | | |
|---|-------|-----|----|-----------|--|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180°C, Time:60~90sec. |
| 2 | 245±5 | | | 5±0.5sec; | 2.Peak Temp.:245±5°C, Duration:5±0.5sec. |
| 3 | | | 2 | 10°C/sec. | 3. Cooling Speed: 2~10°C/sec. |

/ Resistance to Soldering Heat Test Conditions

260±5°C

10±1 sec.

Temp.:260±5°C

Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ₃)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box	Outer Box
SOT-89	1,000	7	7,000	6	42,000	7" ×12	180×120×180	390×385×205

/ Notices