

修订记录 / Revised record

E	2020-6-24	1			
F	2021-4-14	1 2	3% 2%		

SOT-89

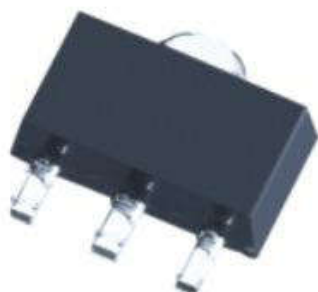
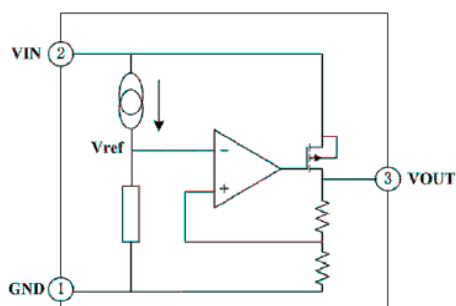
Low dropout linear regulator in a SOT-89 Plastic Package .

30V

2.5 μ A $\pm 2\%$

Low power consumption, Low voltage drop, Small temperature drift coefficient, High input voltage up to 30V, The static current 2.5 μ A, The output voltage accuracy: $\pm 2\%$. HF Product.

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



PIN1 GND

PIN 2 VIN

PIN 3 VOUT

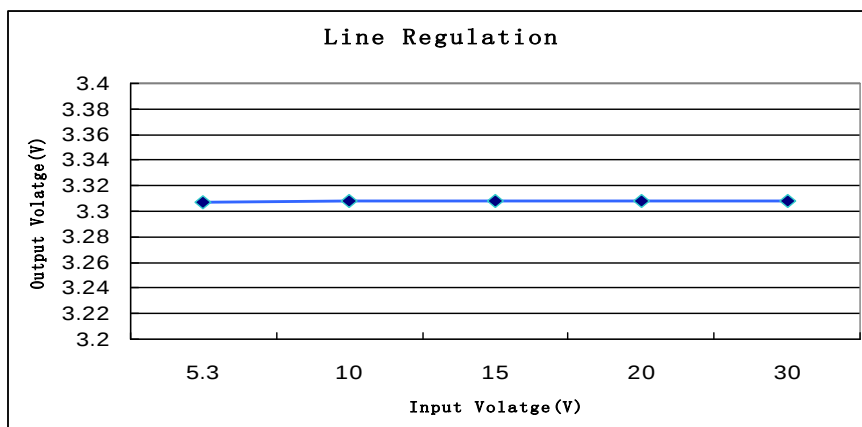
印章代码 / Marking

/ See

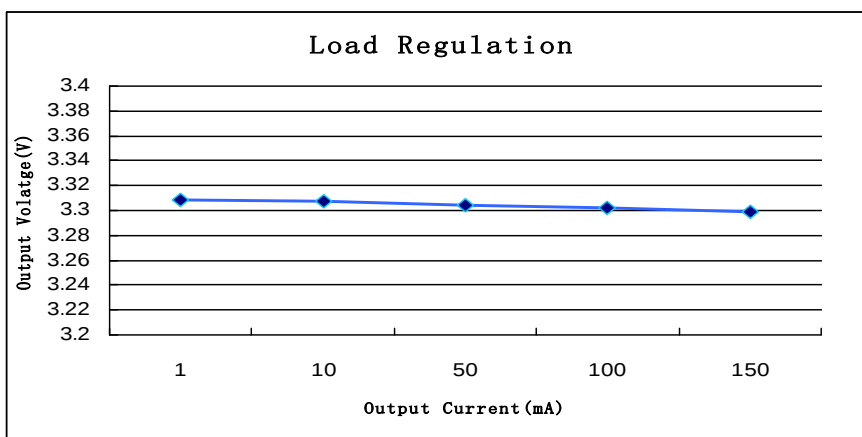
BRCO7533T

电参数曲线图 / Electrical Characteristic Curve

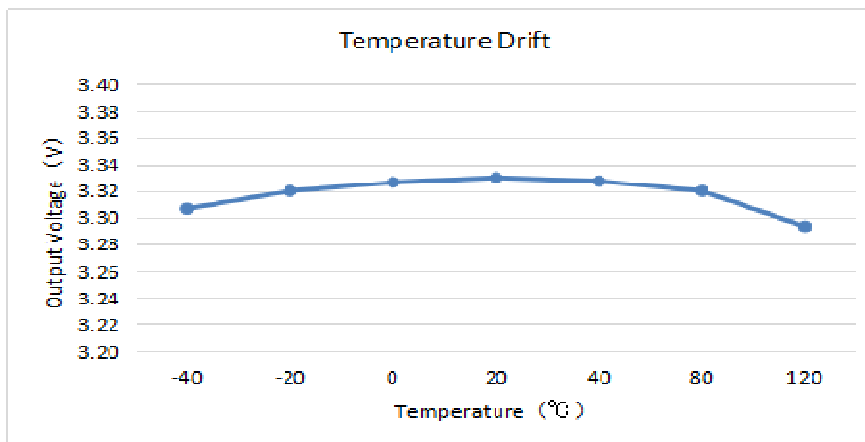
/ The input voltage and output voltage

 $I_{OUT}=10mA$

/ The output voltage and load current

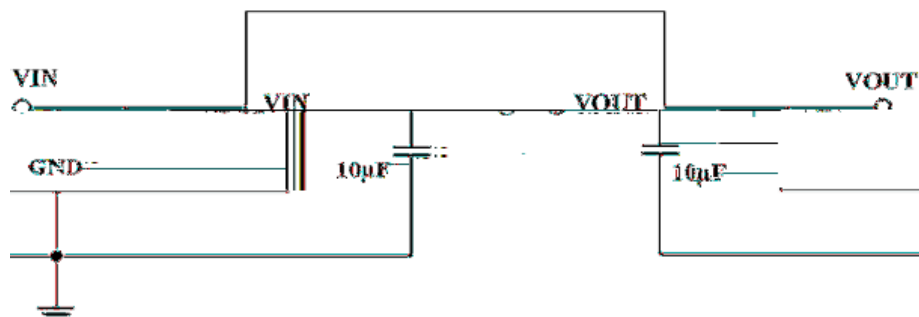
 $V_{IN}=5.3V$

/ The output voltage and temperature

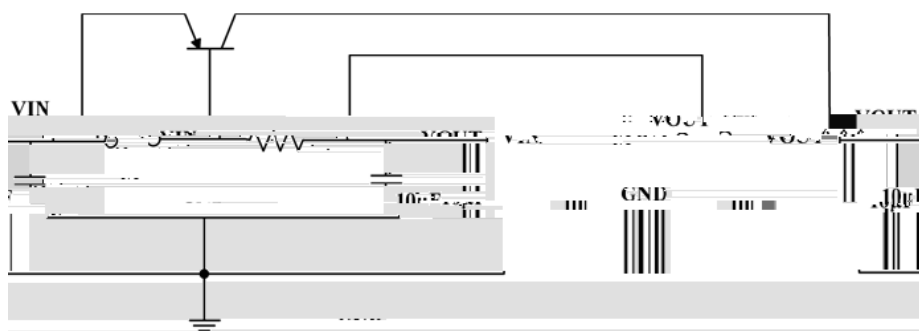
 $I_{OUT}=10mA$

典型应用电路 / Typical Application Circuit

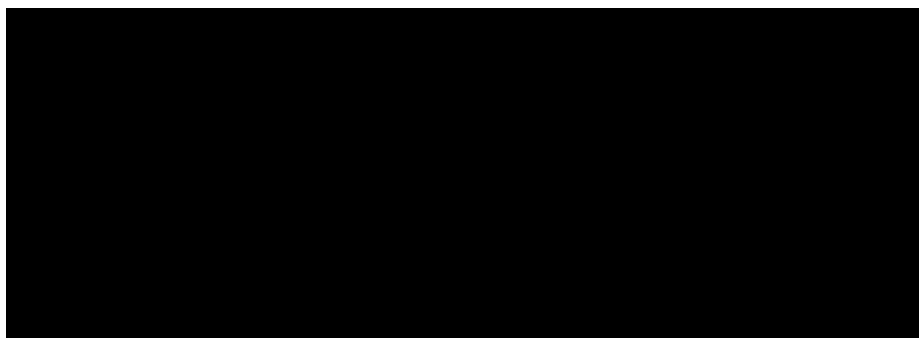
/ Basic Application



/ High Output Current Voltage Regulator

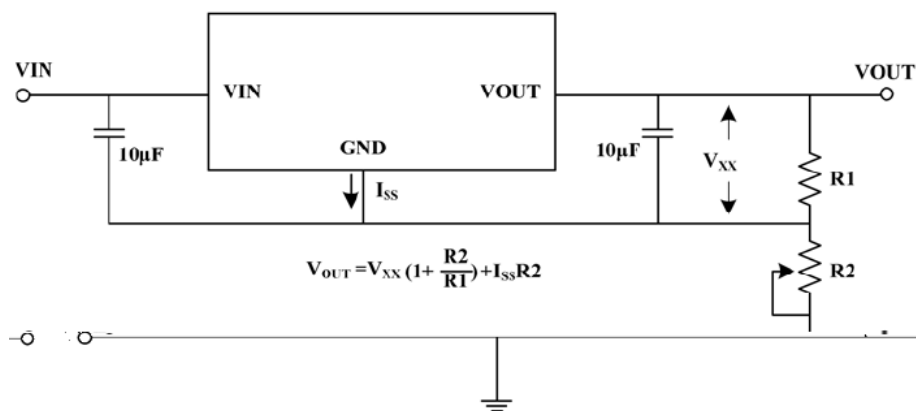


/ Short-Circuit Protection

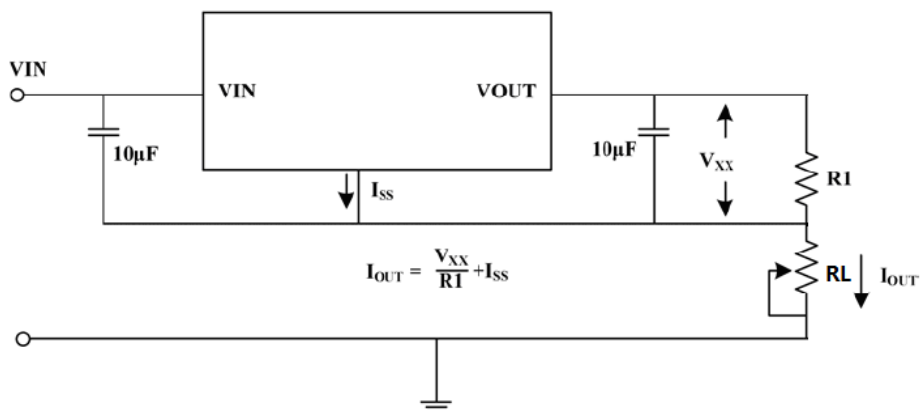


典型应用电路 / Typical Application Circuit

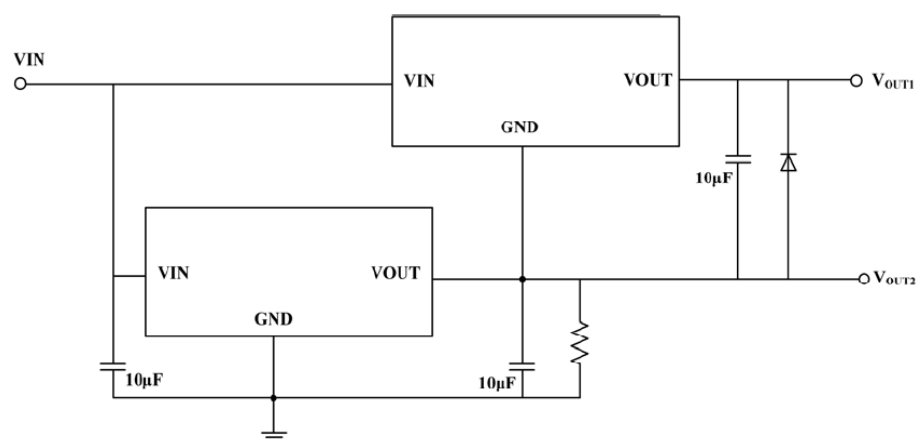
/ Circuit for Increasing Output Voltage



/ Constant Current Regulator



/ Double Output Circuit



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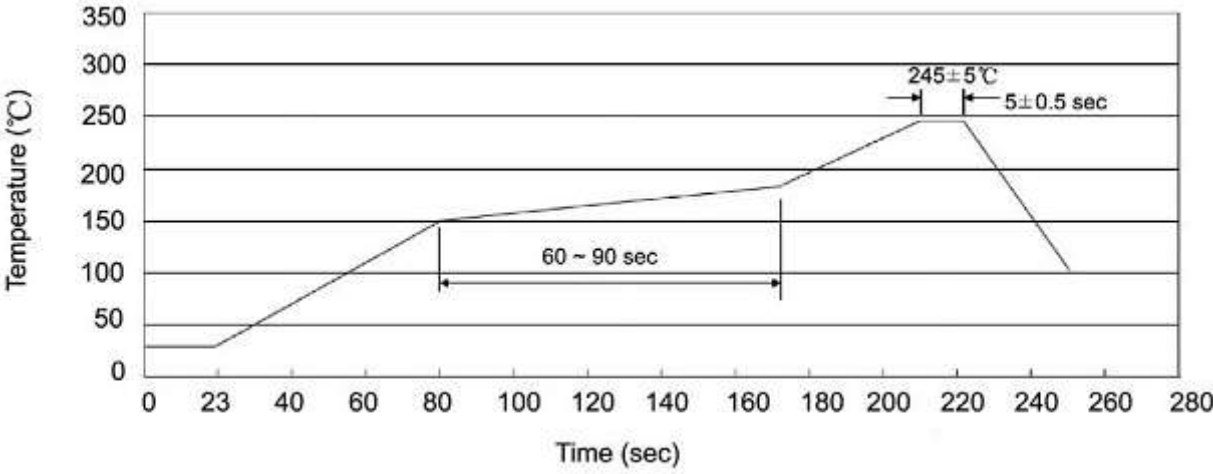
Rev.F Apr.-2021



DATA SHEET

印章说明 / Marking Instructions

回流焊温度曲线图(无铅) / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|----|-----------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | | | 5±0.5sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

耐焊接热试验条件 / Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5℃ Time:10±1 sec

包装规格 / Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm³) Reel
	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	