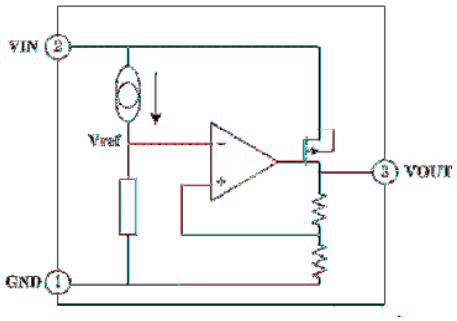
SOT-89
Low dropout linear regulator in a SOT-89 Plastic Package .

30V 2.5μA ±2%

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

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





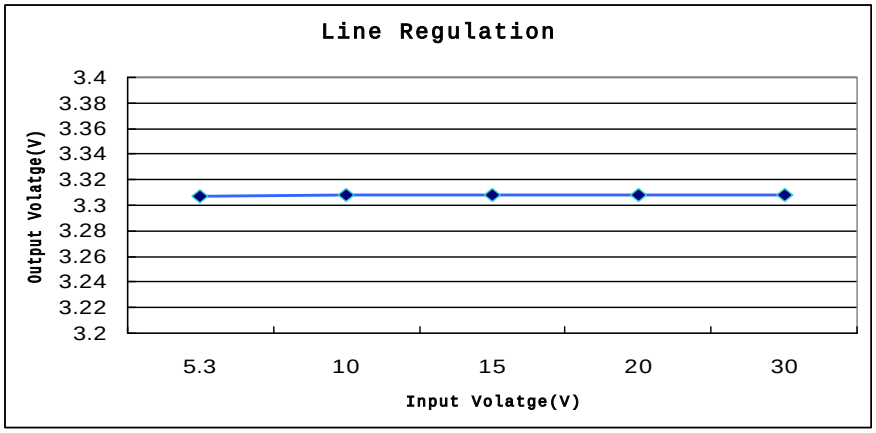
PIN1 GND PIN 2 VIN PIN 3 VOUT

/ pMarking	T5T	T 6.
/ See MarkinM e		

BRCO7533T

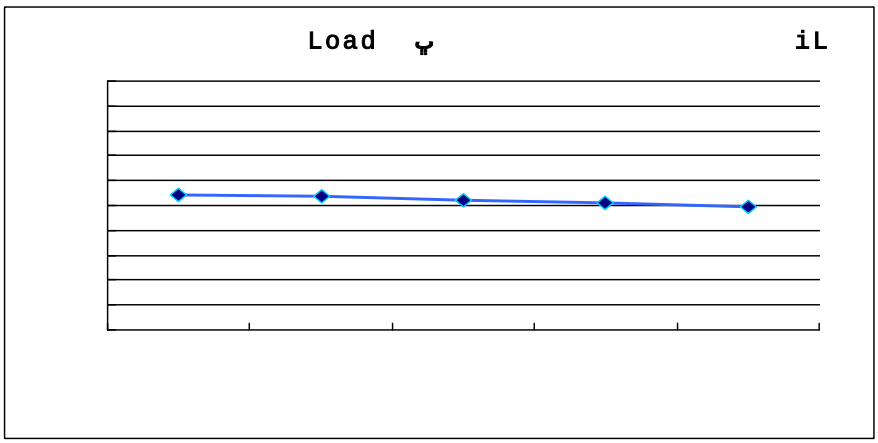
/ Electrical Characteristic Curve

/ The input voltage and output voltage



I_{OUT}=10mA

/ The output voltage and load current

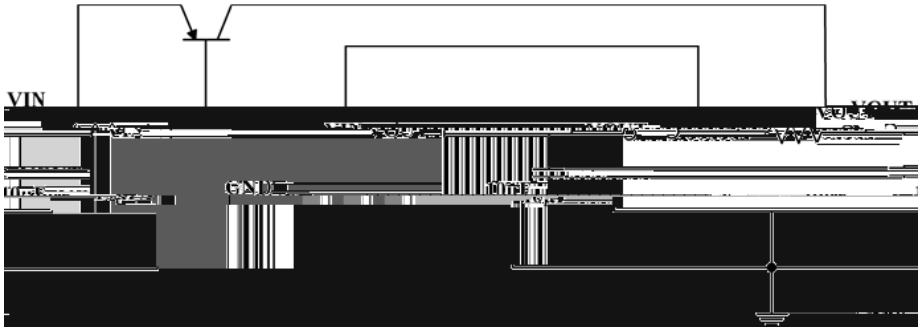


/ Typical Application Circuit

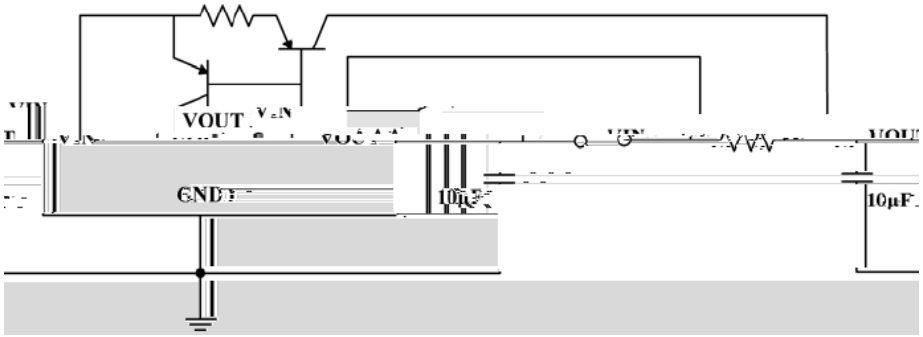
/ Basic Application



/ High Output Current Voltage Regulator

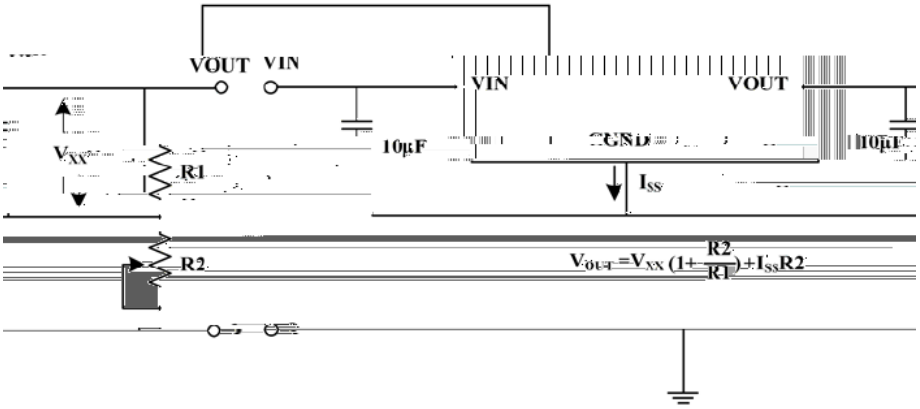


/ Short-Circuit Protection

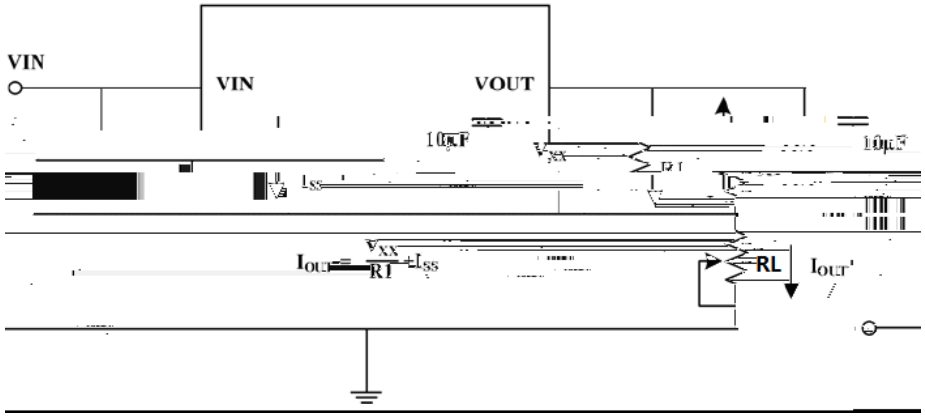


/ Typical Application Circuit

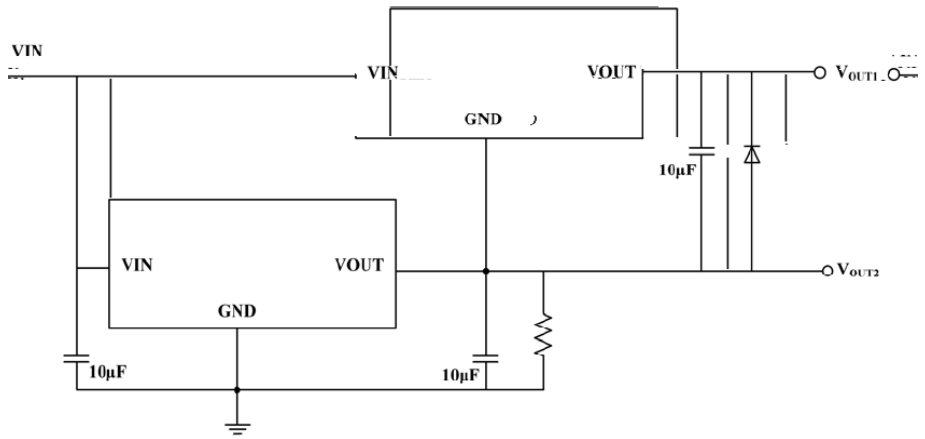
/ Circuit for Increasing Output Voltage



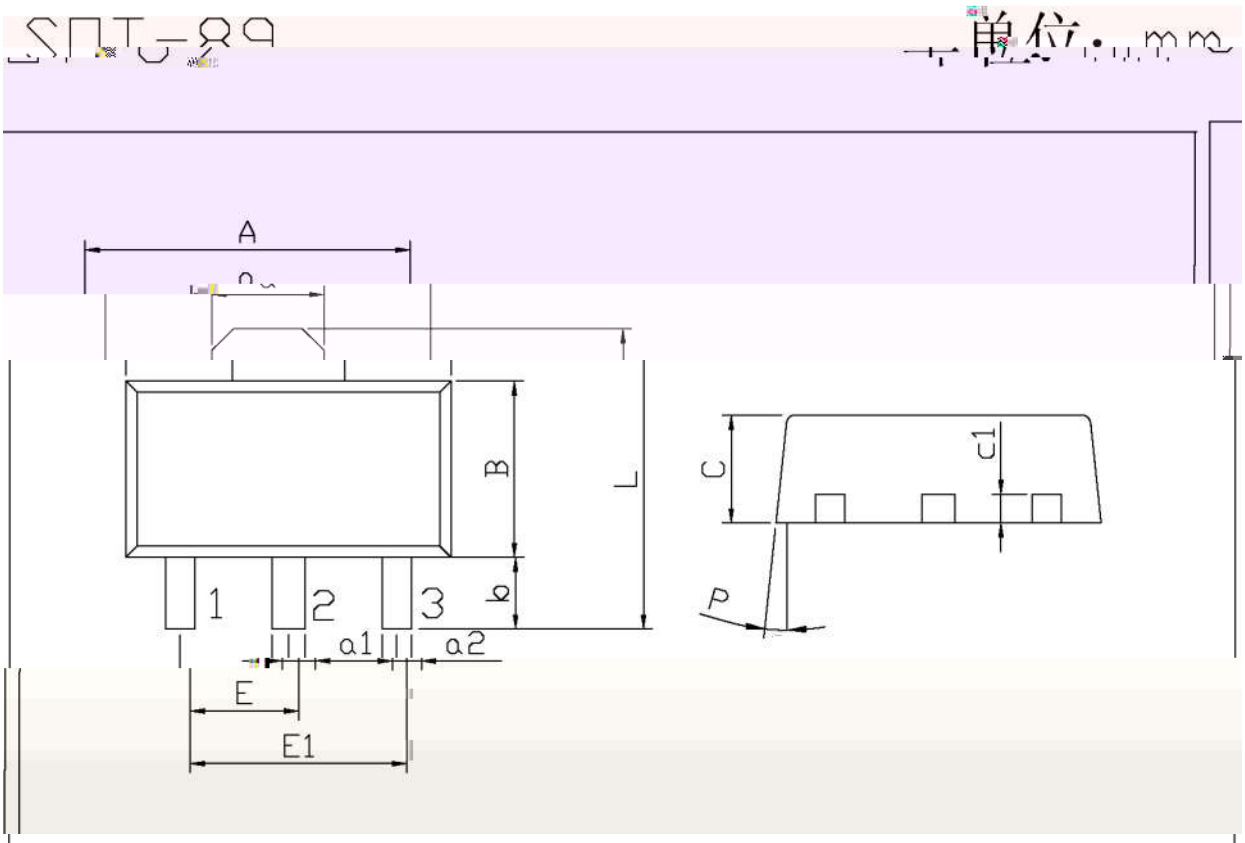
/ Constant Current Regulator



/ Double Output Circuit



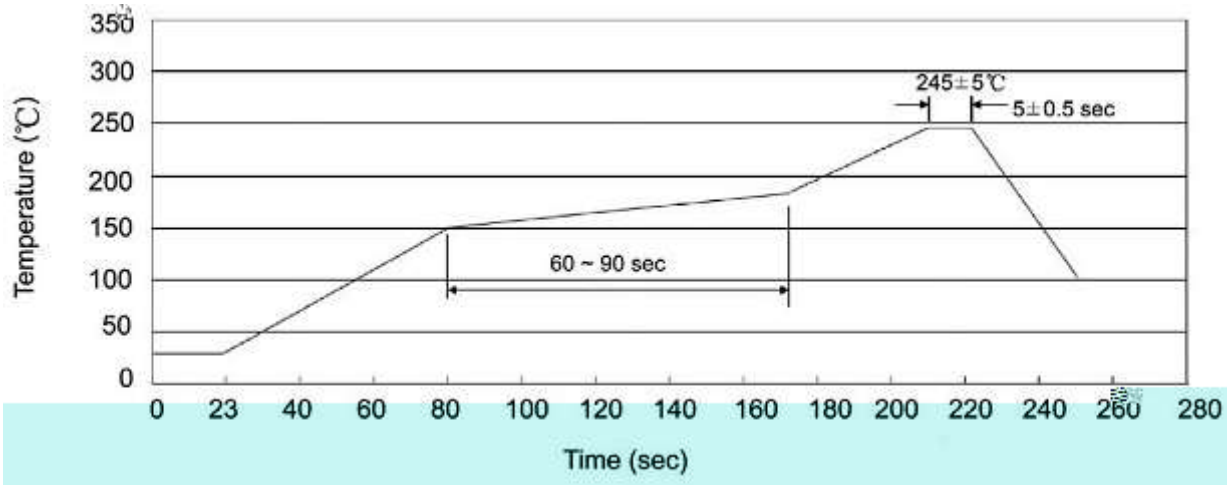
/ Package Dimensions



Symbol	Dimensions In Millmeters		Symbol	Dimensions In Millmeters	
	Min	Max		Min	Max
A	4.4	4.7	a1	0.36	0.56

/ Marking Instructions

( ) / 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.	

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit：mm)		
	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 盒	Outer Box 箱
SOT-89	1,000	7	7,000	8	56,000	7″ ×12	180×120×180	385×257×392

/ Notices