

/ Descriptions

BRC07350UT	CMOS
200mA	55V
BRC07350UT	CMOS

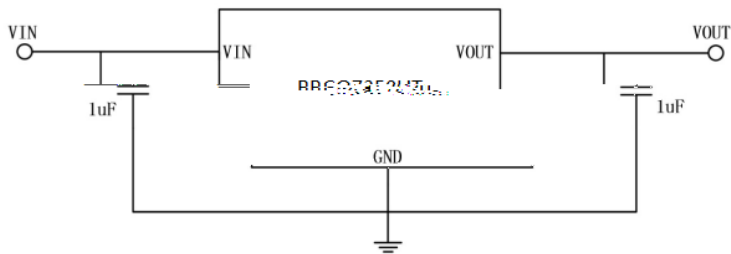
/ Features

- ◆ 55V
- ◆ 200mA
- ◆ 800mV@Iout=100mA
- ◆ 2.5μA
- ◆ ±50ppm/
- ◆ ±2
- ◆ PSRR 70dB@1kHz
- ◆ SOT-89

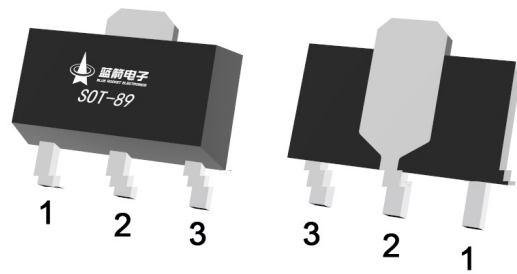
/ Applications

- ◆
- ◆
- ◆ /

/ Equivalent Circuit



/ Pinning



PIN1 GND PIN 2 VIN PIN 3 VOUT

/ Marking

See Marking Instructions.

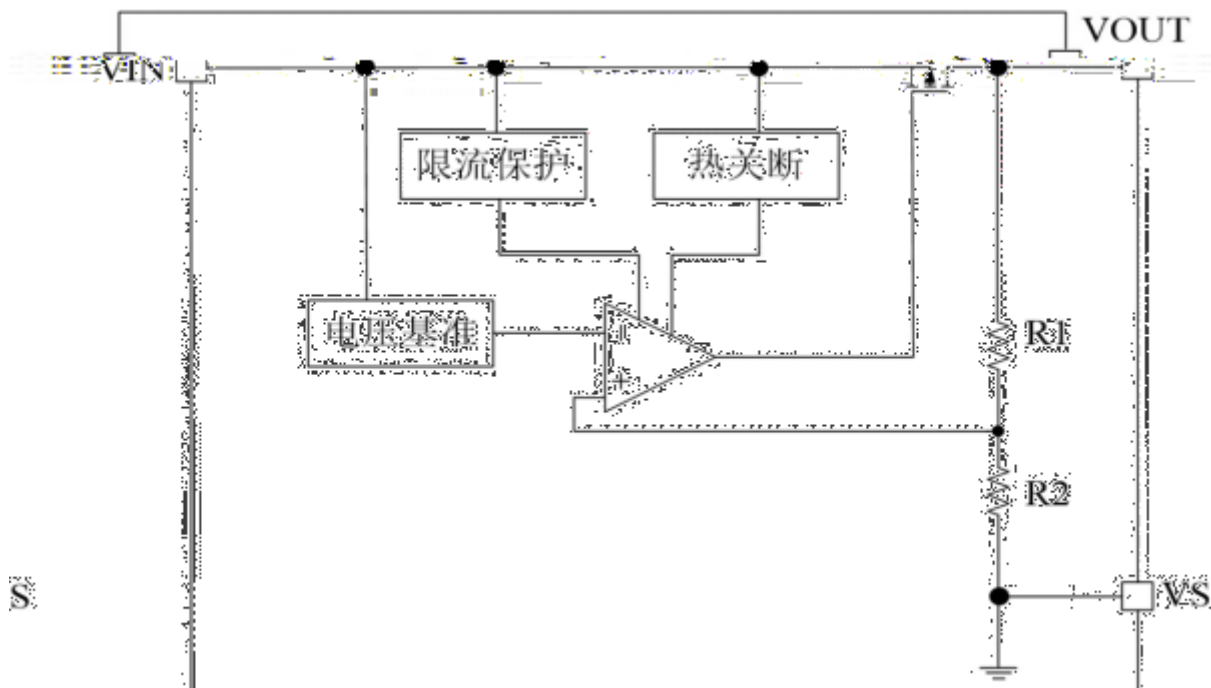
/ Absolute Maximum Ratings($T_A=25^\circ\text{C}$)

	V_{IN_MAX}	55	V
	V_{IN}	45	V
	I_{OUT}	250	mA
	P_D	0.3	W
	T_{stg}	-40 to +125	$^\circ\text{C}$
	T_{OP}	-10 to +85	

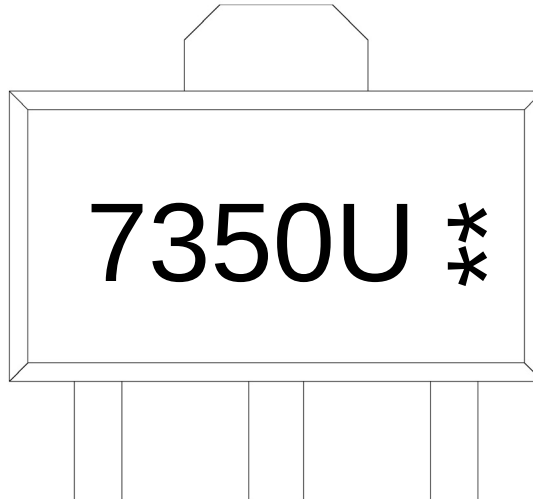
/ Electrical Characteristics($T_A=25^\circ\text{C}$, $V_{IN}=V_{OUT}+2\text{V}$, $C_{IN}=C_{OUT}=1\mu\text{F}$, unless otherwise specified)

	V_{IN}				45	V
	V_{OUT}		$V_{OUT} \times 0.98$		$V_{OUT} \times 1.02$	V
	I_{SS}	$I_{OUT}=0\text{mA}$		2.5	6	μA
	I_{OUT}			200		mA
	I_{LIM}			350		mA
	V_{DROP}	$I_{OUT}=100\text{mA}$ $V_{OUT}=3.3\text{V}$		800		mV
	V_{LOAD}	1mA I_{OUT} 100mA	-50	10	50	mV
	V_{LINE}	$V_{OUT}+2\text{V}$ V_{IN} 45V $I_{OUT}=10\text{mA}$		0.01	0.2	%/V
	$V_{OUT}/(T_A \times V_{OUT})$	$I_{OUT}=1\text{mA}$ -40 T_A 85		50		ppm/
	PSRR	$f=100\text{Hz}$		80		dB
		$f=1\text{kHz}$		70		
		$f=10\text{kHz}$		50		
	T_{SD}			160		
	T_{SD}			25		

/ Functionl Block Diagram



/ Marking Instructions



7350U

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Note:

7350U: Product Type Code

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

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

Note:

- | | | | |
|---|---------|-----------|---|
| 1 | 150 180 | 60 90sec; | 1.Preheating:150~180 , 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
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/ Packaging SPEC.
/ REEL

Package Type	Units/Reel	Reels/Inner Box	Units ;>β fH	Dimension ;>β p .	(unit ~ mm ³)
7>β E	/>-	>- /-			