

BRC07350UT

Rev.A Mar.-2025

/ Descriptions

BRC07350UT	CMOS
200mA	55V
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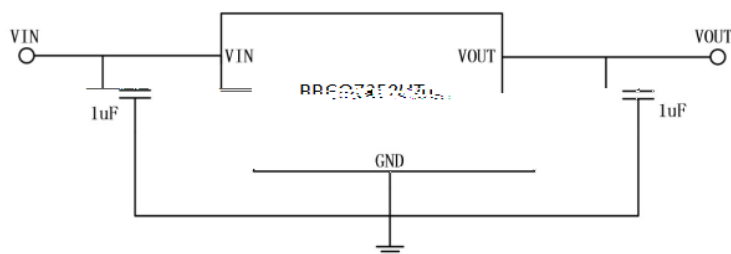
/ Features

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

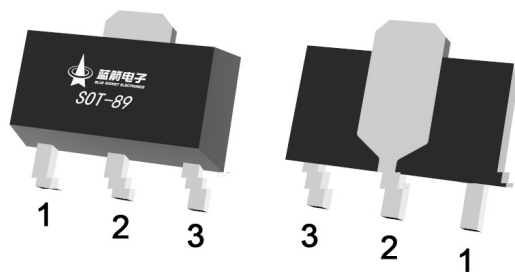
/ Applications

- ◆
- ◆
- ◆ /

/ Equivalent Circuit



/ Pinning



PIN1 GND PIN 2 VIN PIN 3 VOUT

/ Marking

See Marking Instructions.

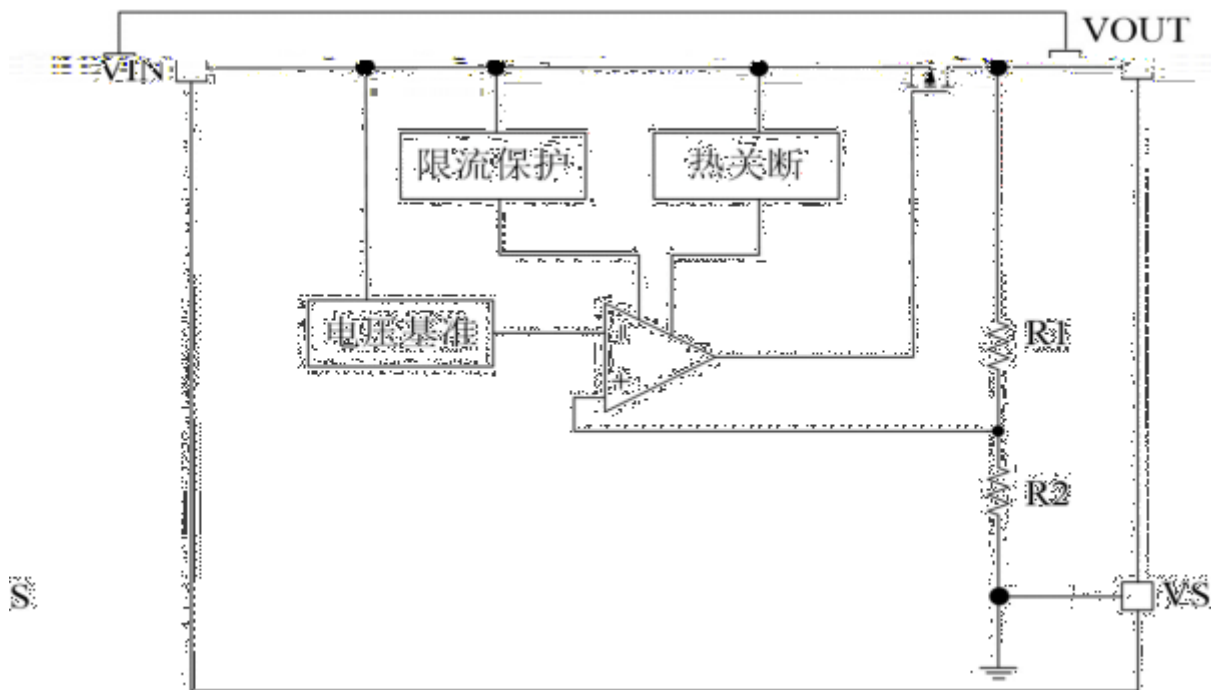
/ Absolute Maximum Ratings($T_A=25^\circ\text{C}$)

	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	

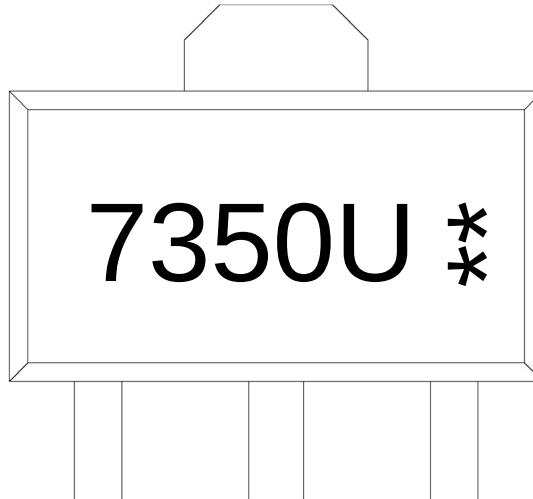
/ Electrical Characteristics($T_A=25^\circ\text{C}$, $V_{IN}=V_{OUT}+2\text{V}$, $C_{IN}=C_{OUT}=1\mu\text{F}$, unless otherwise specified)

	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=100Hz		80		dB
		f=1kHz		70		
		f=10kHz		50		
	T_{SD}			160		
	T_{SD}			25		

/ Functional Block Diagram



/ Marking Instructions



7350U

**

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;

2

245±5

5±0.5sec;

3

2 10 /sec.
- 1.Preheating:150~180 , Time:60~90sec.

2.Peak Temp.:245±5 , Duration:5±0.5sec.

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	Units/Reel	Reels/Inner Box	Units ;>β fH	Dimension ;>β p .	(unit ~ mm³)
7>β E	/>-	>- /-			