

BRC07350UT

Rev.A Mar.-2025

/ Descriptions

BRC07350UT	CMOS	
	200mA	55V
BRC07350UT	CMOS	

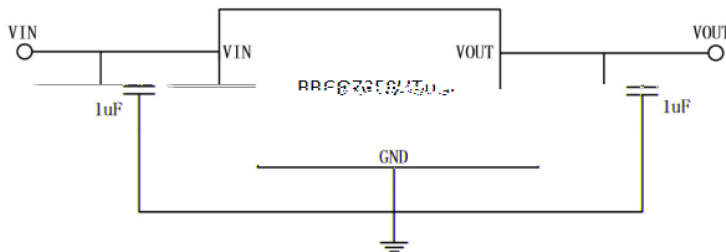
/ Features

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

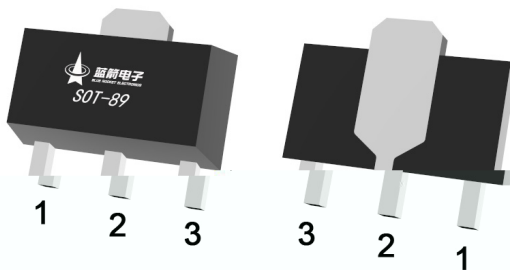
/ Applications

- ◆
- ◆
- ◆ /

/ Equivalent Circuit



/ Pinning



PIN1 GND PIN 2 VIN PIN 3 VOUT

/ Marking

See Marking Instructions.

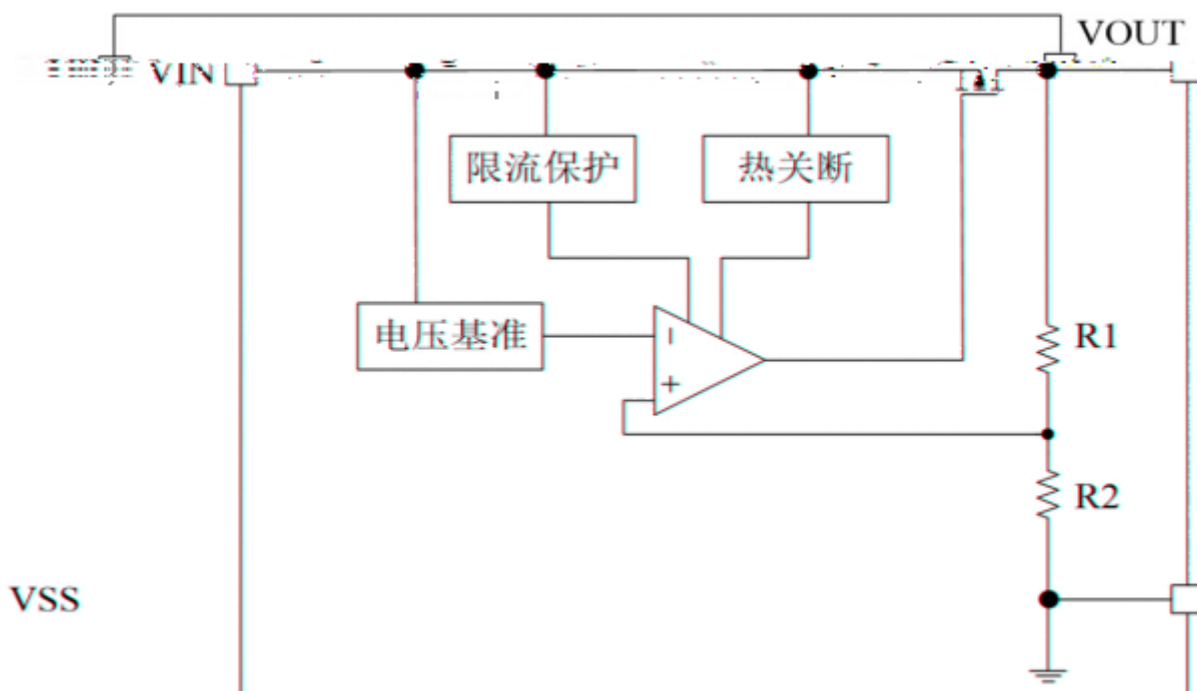
/ Absolute Maximum Ratings(T_a=25)

	V _{IN_MAX}	55	V
	V _{IN}	45	V
	I _{OUT}	250	mA
	P _D	0.3	W
	T _{stg}	-40 to +125	°C
	T _{OP}	-10 to +85	

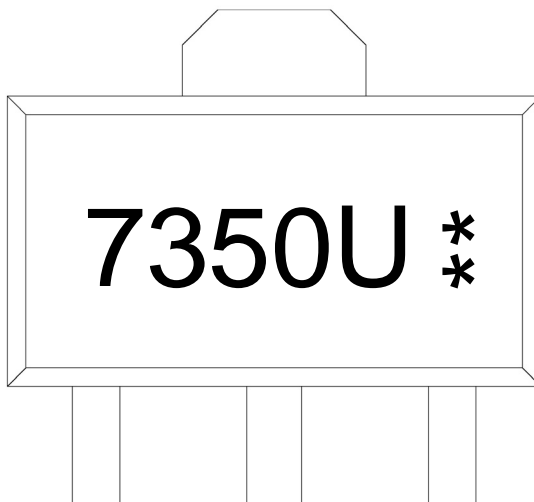
/ Electrical Characteristics(T_A=25 , V_{IN}=V_{OUT}+2V, C_{IN}=C_{OUT}=1uF, unless otherwise specified)

	V _{IN}				45	V
	V _{OUT}		V _{OUT} *0.98		V _{OUT} *1.02	V
	I _{SS}	I _{OUT} =0mA		2.5	6	uA
	I _{OUT}			200		mA
	L _{LIM}			350		mA
	V _{DROP}	I _{OUT} =100mA V _{OUT} =3.3V		800		mV
	V _{LOAD}	1mA I _{OUT} 100mA	-50	10	50	mV
	V _{LINE}	V _{OUT} +2V V _{IN} 45V I _{OUT} =10mA		0.01	0.2	%/V
	V _{OUT} / (T _A *V _{OUT})	I _{OUT} =1mA -40 T _A 85		± 50		ppm/
	PSRR	f=100Hz		80		dB
		f=1kHz		70		
		f=10kHz		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)

1	150	180	60	90sec;	Note: 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

/ Packaging SPEC.

/ REEL

Package Type	Units/Reel	Reels/Inner Box	Units	Dimension
7>β E	1>-	>- 1-	>β fH	>β p . (unit ˆ mm ³)