

BRCO7330HME

CMOS

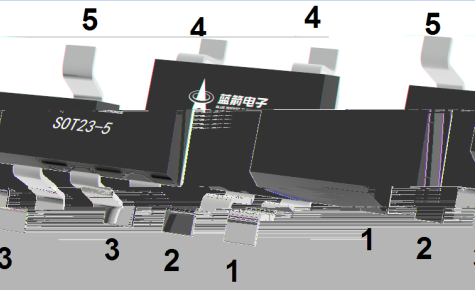
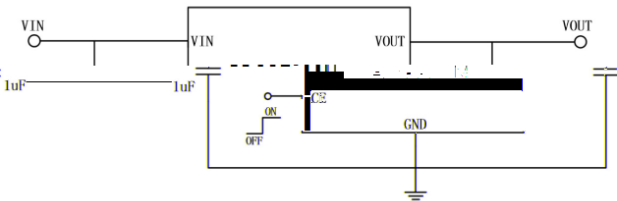
300mA

30V

CMOS

- ◆ 30V
- ◆ 300mA
- ◆ 200mV@Iout=100mA
- ◆ 2.5μA
- ◆ ±50ppm/
- ◆ ±2
- ◆ PSRR 65dB@1kHz
- ◆ SOT23-5

- ◆
- ◆
- ◆

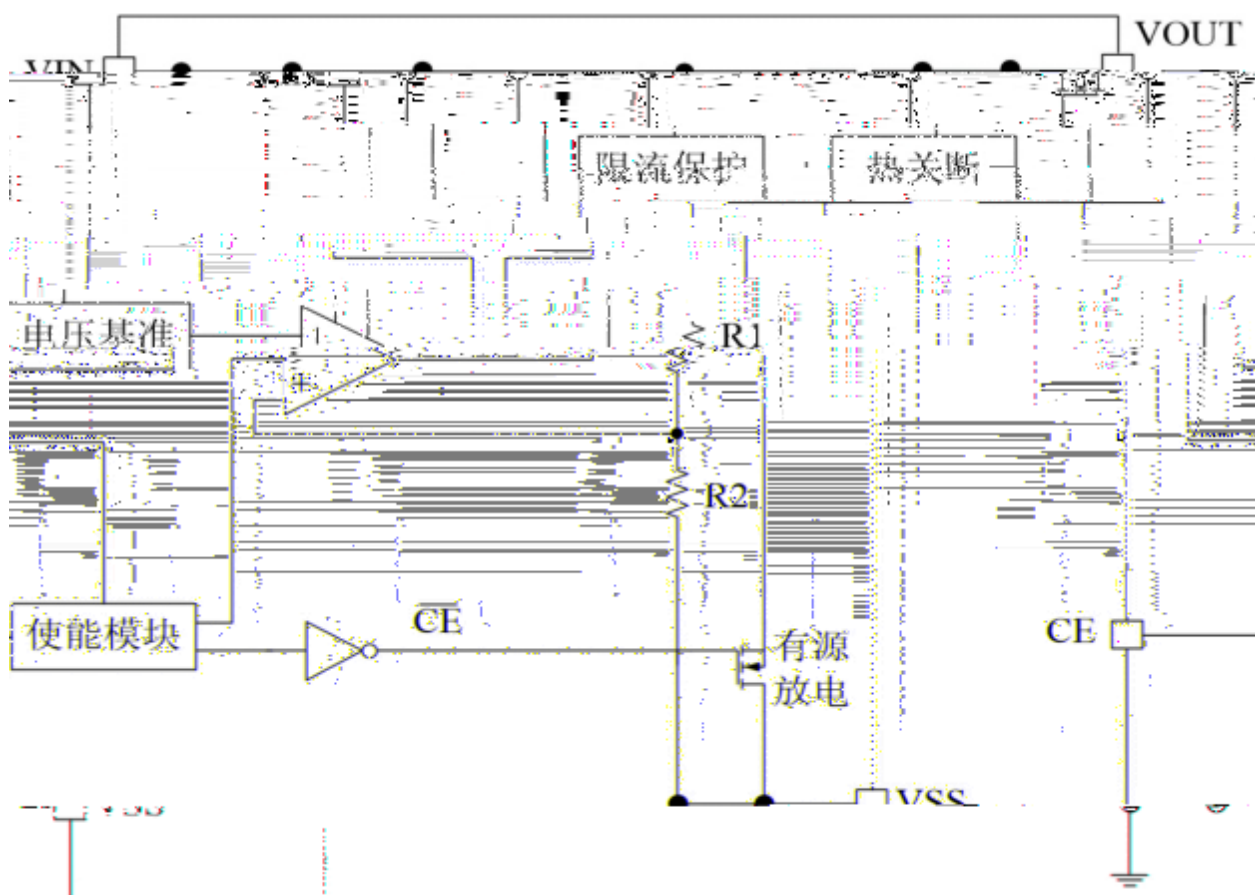


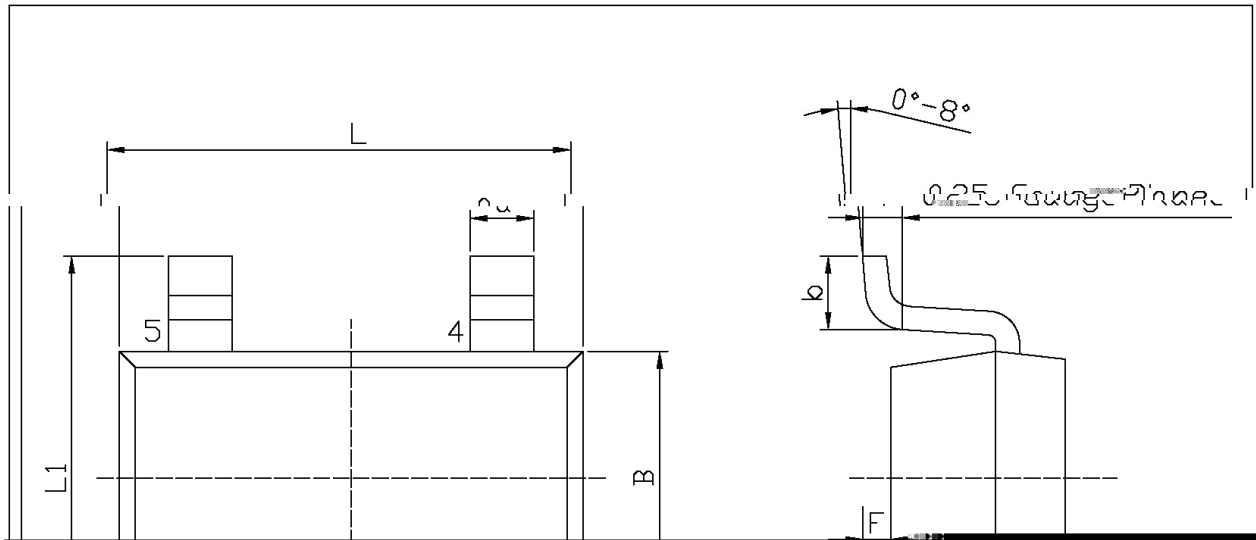
1	V _{IN}		4	NC	
2	GND		5	V _{OUT}	
3	CE				

	V_{IN_MAX}	30	V
	V_{IN}	-0.3~30	V
CE	V_{CE}	$V_{IN}-0.3 \sim V_{IN}+0.3$	V
	I_{OUT}	0~500	mA
	P_D	0.3	W
	T_{stg}	-40 to +150	°C
	T_{OP}	-40 to +85	

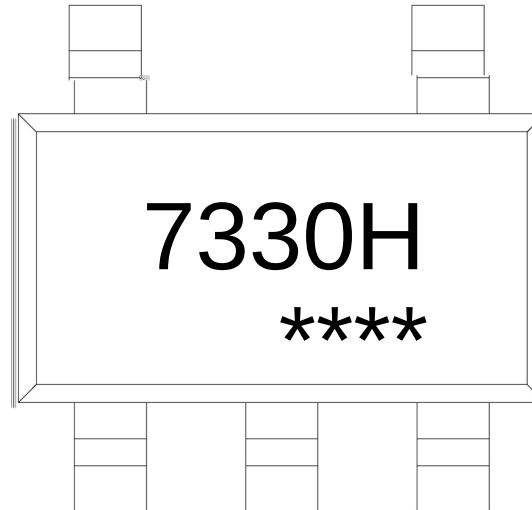
	V_{IN}		2.5		24	V
	V_{OUT}	$I_{OUT}=10mA$	$V_{OUT} \times 0.98$		$V_{OUT} \times 1.02$	V
	I_{SS}	$I_{OUT}=0mA$	-	2.5	6	uA
	I_{ST}	CE=0V			0.2	uA
	I_{LIM}	-	500			mA
	V_{DROP}	$I_{OUT}=100mA$	-	200	-	mV
	I_{SHORT}			55		mA
	V_{CE_L}				0.4	V
	V_{CE_H}		1.5			V
	R_{DIS}	$V_{CE} \ 0.4V$		350		Ω
	V_{LOAD}	$V_{IN}=V_{OUT}+1$ $1mA \leq I_{OUT} \leq 100mA$	-	5	20	mV
	V_{LINE}	$I_{OUT}=10mA$ $V_{OUT}+1V \leq V_{IN} \leq 20V$	-	0.05	-	%/V
	$\frac{V_{OUT}}{(T_A \times V_{OUT})}$	$I_{OUT}=1mA$ $-40 \leq T_A \leq +85$	-	± 50	-	ppm/
	PSRR	$V_{IN}=4.3V$	$f=100Hz$	-	80	-
		$V_{OUT}=3.3V$	$f=1kHz$	-	65	-
		$I_{OUT}=10mA$	$f=10kHz$	-	50	-
	T_{SD}		-	160	-	
	T_{SD}		-	25	-	

/ Functionl Block Diagram



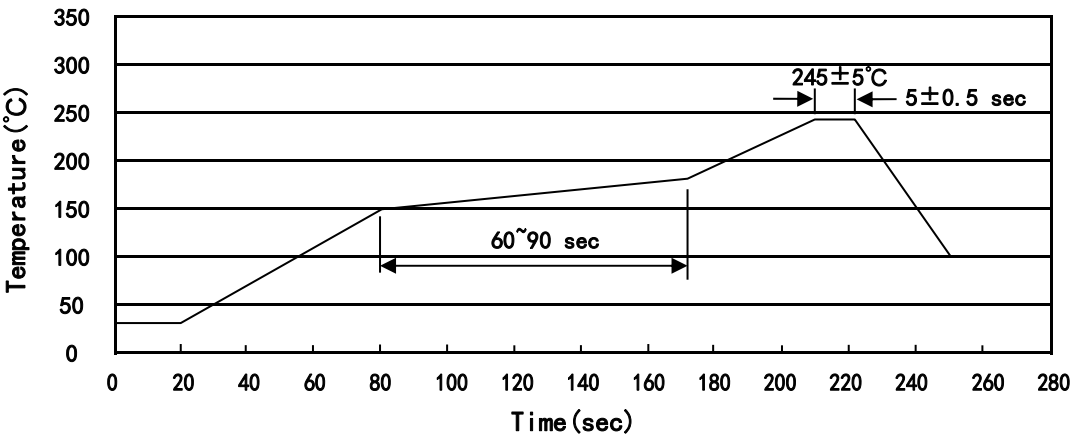


Symbol	Min		Symbol	Min	
	Min	Max		Min	Max



7330H

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.

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOT23-5/6	3,000	10	30,000	4	120,000	7 ×8	210×205×205	445×435×230

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