

/ Descriptions

EUFR : 666K PH

63Y

F P R V

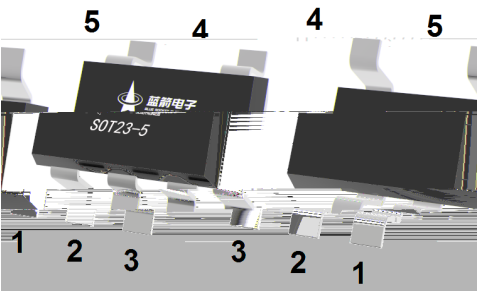
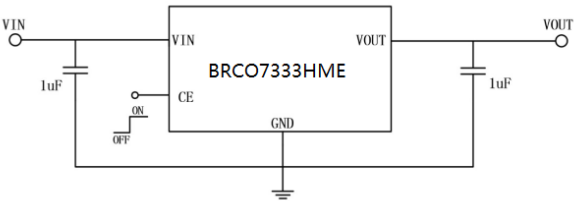
F P R V

/ Features

- ◆ 30V
- ◆ 500mA $V_{IN}=V_{OUT}+2V$ Pulse testing
- ◆ 200mV@Iout=100mA
- ◆ 2.5μA
- ◆ ±50ppm/
- ◆ ±2
- ◆ PSRR 65dB@1kHz
- ◆ SOT23-5

/ Applications

- ◆
- ◆
- ◆



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

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

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

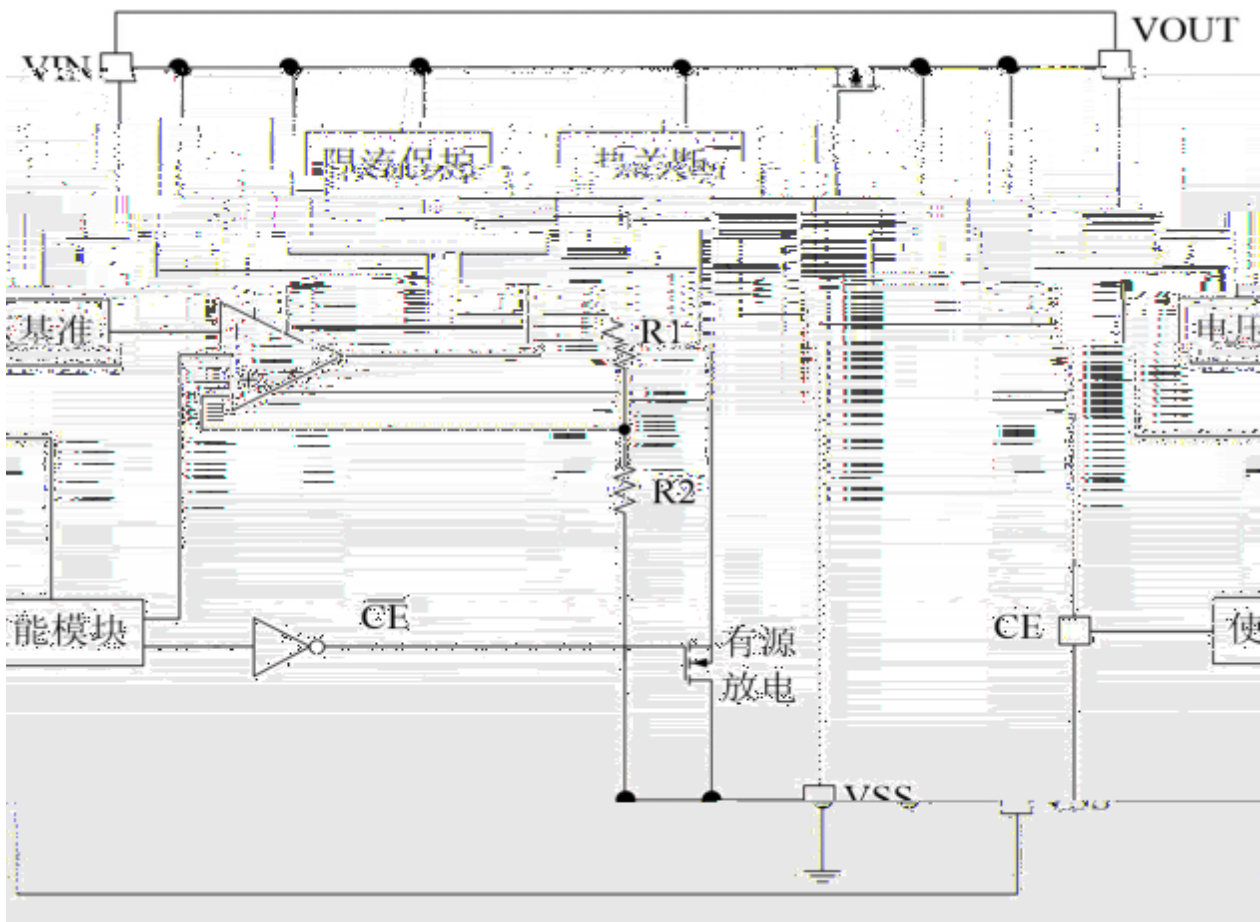
QRWH +4, $Y_{LQ}=Y_{RXW} \cdot 5Y$
 Y_{RXW}

6v

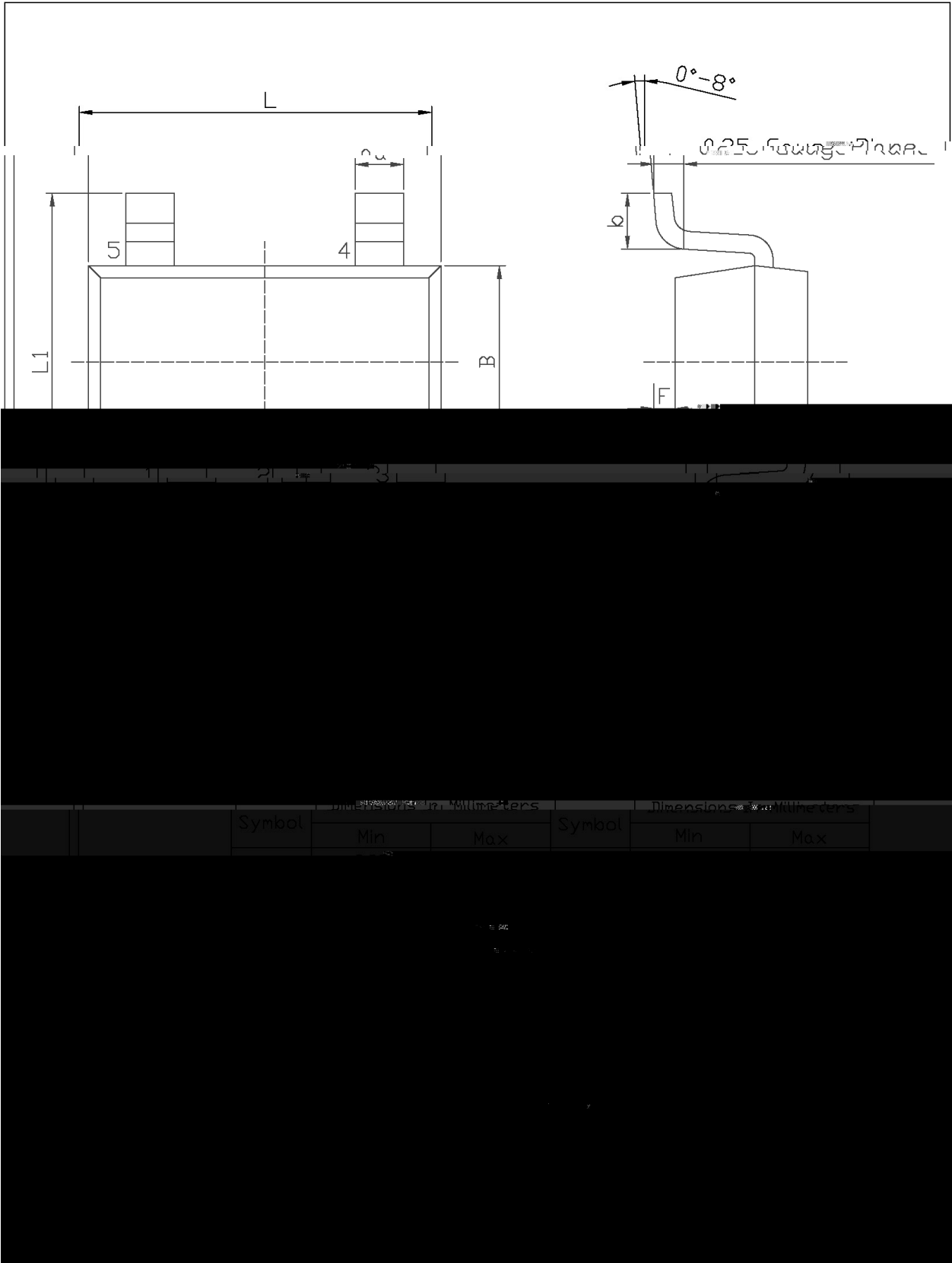
/ Electrical Characteristics($T_A=25^\circ\text{C}$, $V_{IN}=V_{OUT}+1\text{V}$, $C_{IN}=C_{OUT}=1\mu\text{F}$, unless otherwise specified)

	V_{IN}		2.5		24	Y
	V_{OUT}	$I_{OUT}=10\text{mA}$	$V_{OUT} \cdot 0.98$		$V_{OUT} \cdot 1.02$	Y
	I_{SS}	$I_{OUT}=0\text{mA}$	-	2.5	6	xD
	I_{ST}	CE=0V			0.2	xD
	L_{LIM}	-	500			mD
	V_{DROP}	$I_{OUT}=100\text{mA}$	-	200	-	mY
	I_{SHORT}			55		mD
	V_{CE_L}				0.4	Y
	V_{CE_H}		1.5			Y
	R_{DIS}	$V_{CE} \ 0.4\text{V}$		350		Ω
	V_{LOAD}	$V_{IN}=V_{OUT}+1$ $1\text{mA} \ I_{OUT} \ 100\text{mA}$	-	5	20	mY
	V_{LINE}	$I_{OUT}=10\text{mA}$ $V_{OUT}+1\text{V} \ V_{IN} \ 20\text{V}$	-	0.05	-	%2Y
	$V_{OUT}/$ ($T_A \cdot V_{OUT}$)	$I_{OUT}=1\text{mA}$ $-40 \ T_A \ +85$	-	50	-	ssm2
	PSRR	$V_{IN}=4.3\text{V}$	$f=100\text{Hz}$	-	80	-
		$V_{OUT}=3.3\text{V}$	$f=1\text{kHz}$	-	65	-
		$I_{OUT}=10\text{mA}$	$f=10\text{kHz}$	-	50	-
	T_{SD}		-	140	-	
	T_{SD}		-	20	-	

/ Functionl Block Diagram



/ Package Dimensions





/ Marking Instructions



:666K

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

Note:

1 150