

ZKT1810

Pushbutton On/Off Controller with Debounce

The ZKT1810 series are the Push Button load switch with functions best suitable for battery operated devices. The built-in high side switch is turned on by the Push Button. The high side switch is turned on and latched by inputting "L" signal from the Push Button of the device to the PB_n pin.

The device consumes very low current of 5 μ A during normal operation and only 0.9 μ A current during standby. The parts are available in either SOT-23-5 package.

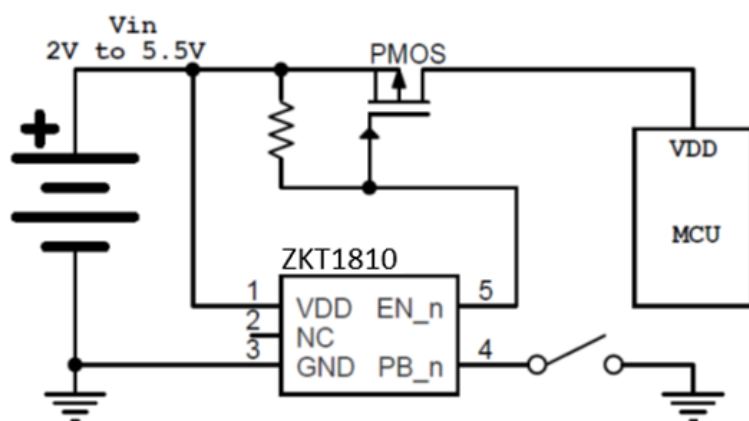
Features

- ◆ Ultra Low 0.9 μ A Supply Current
- ◆ Operates from 2V to 5.5V
- ◆ Thin SOT-23-5 Package
- ◆ Active Low Enable ($\overline{\text{EN}}$) provides control of MOSFET or LDO

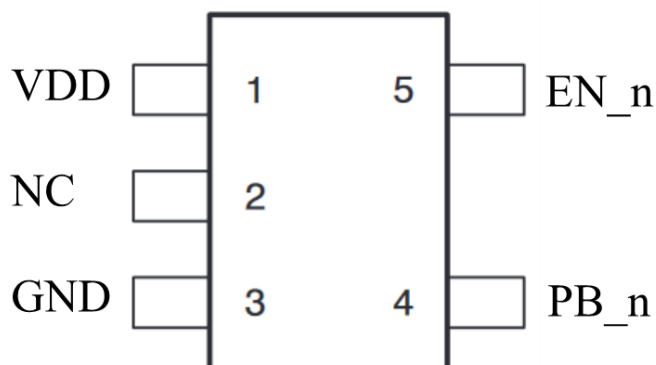
Applications:

- ◆ Portable Electronics
- ◆ Cell phones and smart phones
- ◆ IOT low power device

Typical Application



Pin Configuration



ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITION	MIN	TYP	MAX	UNIT
V_{IN}	Operating Voltage Range	Steady State Operation	2		5.5	V
I_{IN}	Supply Current	$V_{IN} = 2V \text{ to } 5.5V$		1	5	μA
t_{DB}	Debounce Duration	t_{DB}		50		ms
V_{IL}	PB_n Input Threshold Low	Single-Ended		0.6		V
V_{IH}	IN Threshold High	Single-Ended		2		V
V_{OH}	EN_n Output Voltage High	$I_{SOURCE} = 0.4mA$	$VCC - 1.0$			V
V_{OL}	EN_n Output Voltage Low	$I_{SINK} = 10mA$			0.3	V

SOT-23-5 Package mechanical

