

DESCRIPTION

PT2240B is encoder utilizing CMOS Technology specially designed for remote control applications. It has 2^{20} Address. It can support up to 4 Data Bits and is housed in 8 pin SOP package. It encodes address and data codes into a coded waveform suitable for RF modulation. The pin assignments and application circuit are optimized for easy PCB Layout and cost saving advantage. Furthermore, PT2240B's intrinsic feature of being able to support 4 data bits considerably reduces inventory pressures.

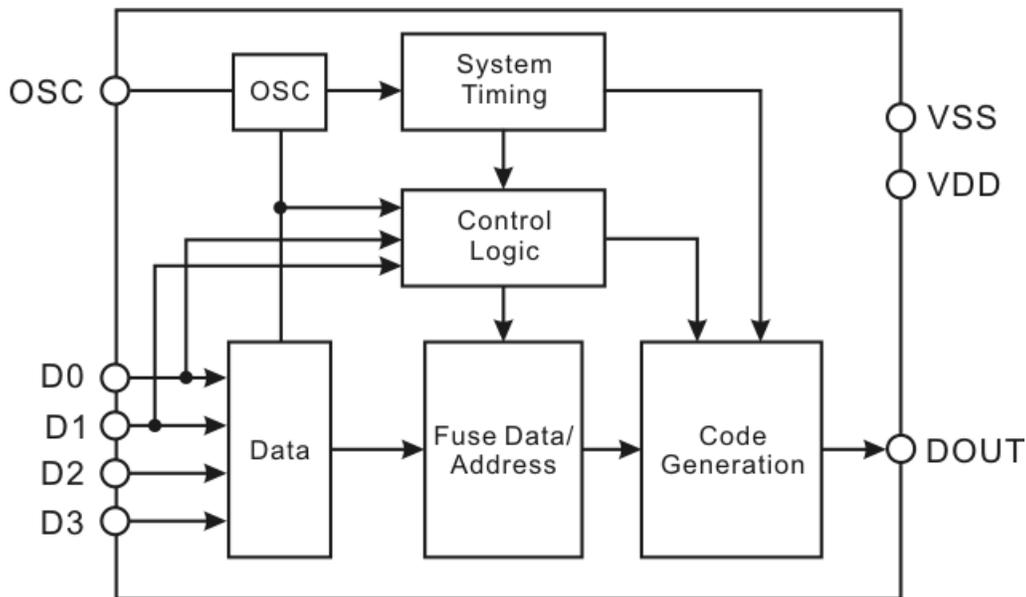
FEATURES

- CMOS technology
- Low power consumption
- Least external components
- High noise immunity
- Single resistor oscillator
- Operating voltage: 1.8~15V
- 4 Data pins
- 2^{20} address codes
- Available in SOP package
- Reduction of inventory pressures

APPLICATIONS

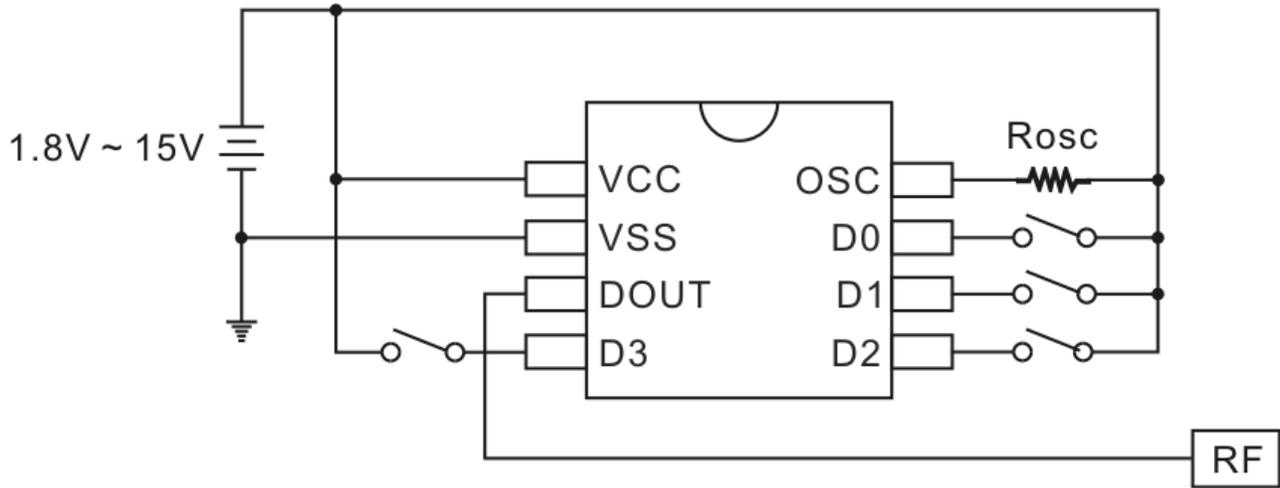
- Burglar alarm system
- Car security system
- Car/Garage door controller
- Home/Office security system
- Personal alarm system

BLOCK DIAGRAM

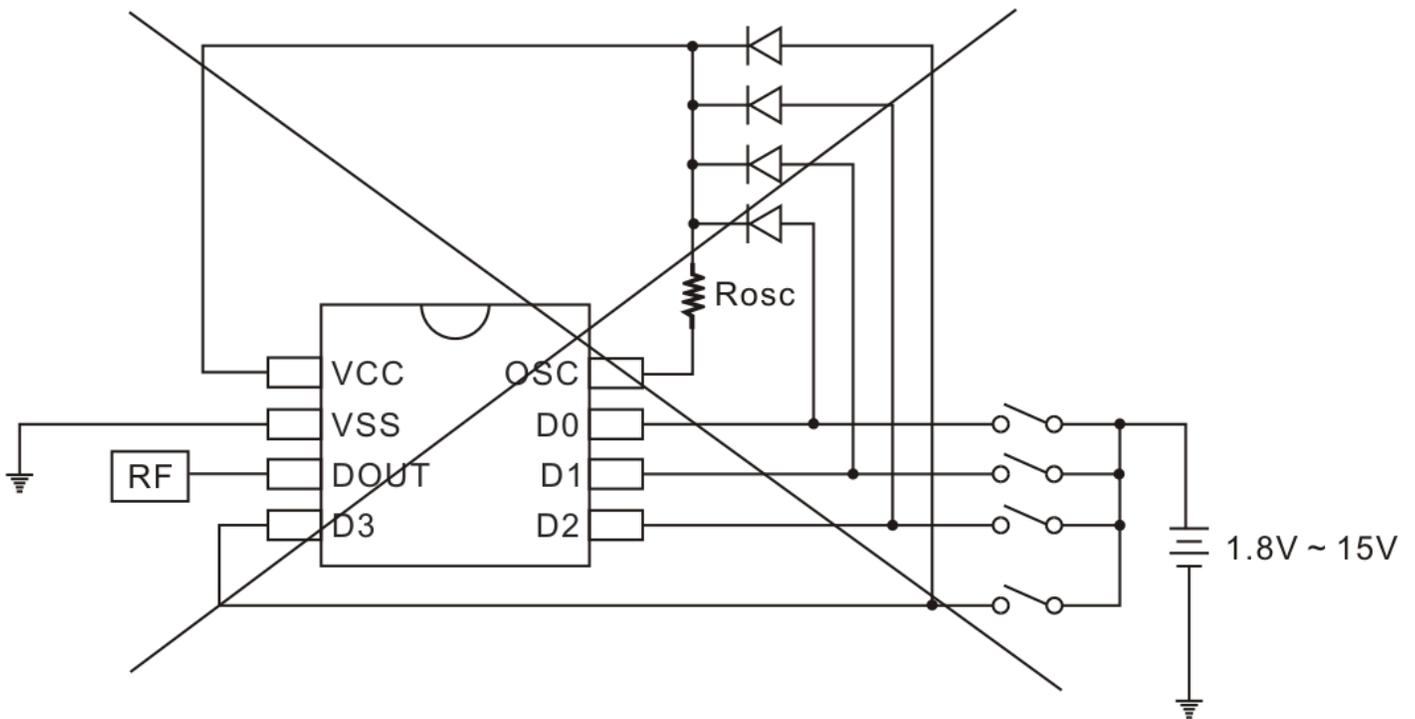


APPLICATION CIRCUIT

8 PINS



POWER FAILURE CIRCUIT

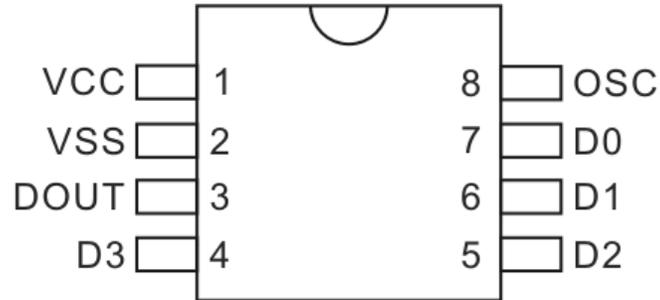


Warning: Be cautious to use this circuit which will cause the IC shutdown or even damaged.

ORDER INFORMATION

| Valid Part Number | Package Type | Top Code |
|-------------------|---------------------|-----------|
| PT2240B-S | 8 Pins, SOP, 150mil | PT2240B-S |

PIN CONFIGURATION



PT2240B

PIN DESCRIPTION

| Pin Name | I/O | Description | Pin No. |
|----------------|-----|---------------------------------|------------|
| VDD | - | Positive power supply | 1 |
| VSS | - | Negative power supply | 2 |
| DOUT | O | Data output pin Normal="Low" | 3 |
| D0, D1, D2, D3 | I | Data pin | 7, 6, 5, 4 |
| OSC | I | Oscillator pin | 8 |

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