

DESCRIPTION

PT4450 is a high performance OOK/ASK transmitter for the Remote Keyless Entry (RKE) systems. It consists of a SAW oscillator, power amplifier, and one-shot circuit which control the SAW oscillator and power amplifier

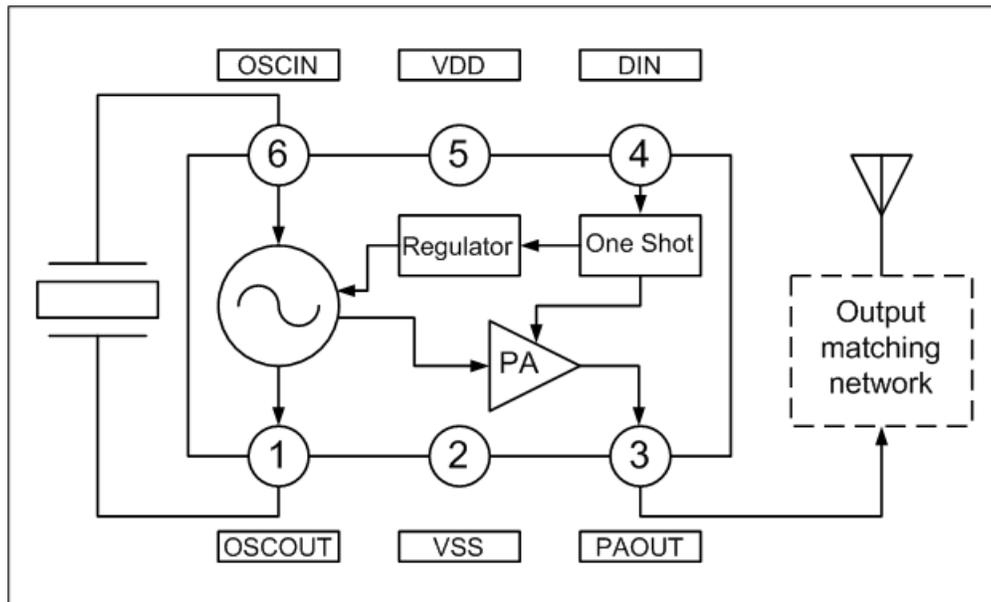
APPLICATIONS

- Keyless entry systems
- Remote control systems
- Garage door openers
- Alarm systems
- Security systems
- Wireless sensors

FEATURES

- Highly integrated OOK/ASK transmitter
- High output power, 3 V/+10 dBm/18 mA
- Low supply voltage (2.2 V to 3.6V operation range)
- Low external component cost.
- SAW-based oscillator, frequency range from 250 MHz to 500 MHz
- On-chip one-shot circuit
- 50 dB RF on/off ratio
- Available in 6-pin, SOT-23 package

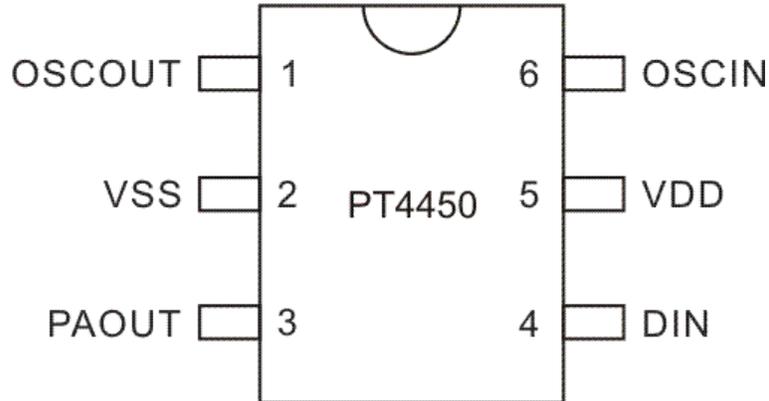
BLOCK DIAGRAM



ORDER INFORMATION

Valid Part Number	Package Type	Top Code
PT4450	6 Pins, SOT-23	PT4450

PIN CONFIGURATION



PIN DESCRIPTION

Pin Name	I/O	Description	Pin No.
OSCOUT	O	Oscillator output	1
VSS	G	Ground connection	2
PAOUT	O	Power amplifier output	3
DIN	I	Data input, it will also be used to enable the chip	4
VDD	P	Power supply	5
OSCIN	I	Oscillator input	6

IMPORTANT NOTICE

Princeton Technology Corporation (PTC) reserves the right to make corrections, modifications, enhancements, improvements, and other changes to its products and to discontinue any product without notice at any time.

PTC cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a PTC product. No circuit patent licenses are implied.

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