





DESCRIPTION

PT4455 is a high performance OOK/ASK transmitter for the Remote Keyless Entry (RKE) systems. It consists of a power amplifier, one-shot circuit and phase-locked loop with internal voltage controlled oscillator and loop filter. The one-shot circuit control the phase-locked loop and power amplifier to have fast start-up time in operation.

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 /+12 dBm /27 mA
- Low supply voltage, 2.2 V to 4.5 V operation range
- Low external component cost.
- PLL-based transmitter with frequency range from 250MHz to 450MHz
- On-chip one-shot circuit
- 60 dB RF on-off ratio for OOK/ASK modulation
- SOP23-6 package

BLOCK DIAGRAM

