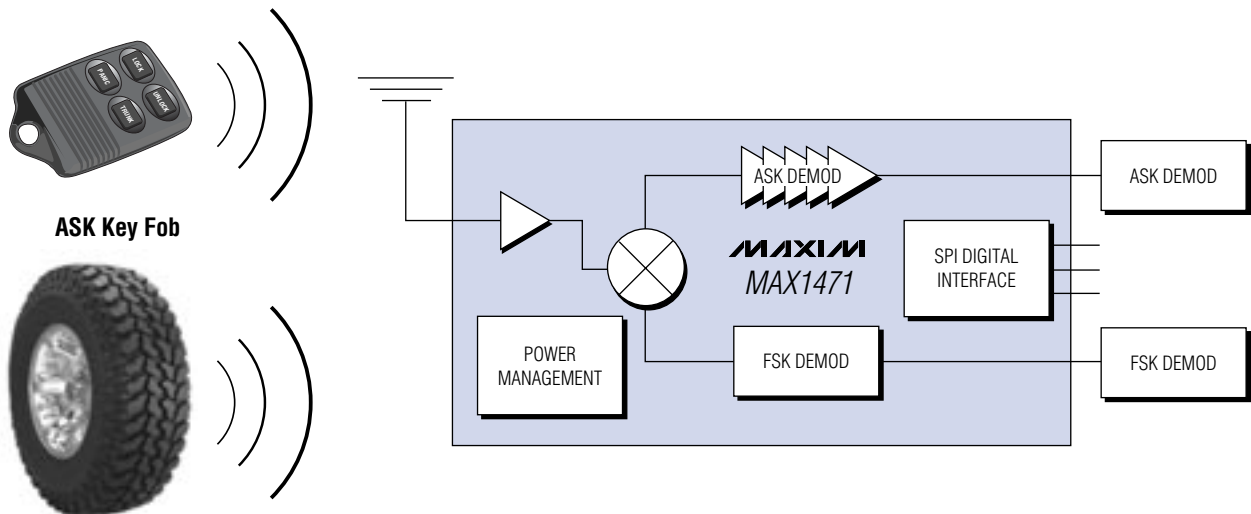


DECODE 300MHz–450MHz FSK AND ASK SIGNALS SIMULTANEOUSLY WITH DUAL-MODE -114dBm RECEIVER

Use the MAX1471 Dual-Channel Receiver to Capture Both Signals Every Time
Sleep Mode Feature Reduces Power



FSK Tire Pressure Monitor

The MAX1471 dual-channel receiver accepts both ASK and FSK data simultaneously, eliminating the switching lag between modes. Designed for low-cost systems where both encoding schemes are present, the MAX1471 has a user-programmable, self-polling timer configured through a serial interface (SPI™) bus for low-power duty-cycle operation. This feature enables the MAX1471 to remain in sleep mode for up to eight minutes and then awaken the system microprocessor. This saves power and design cost. The MAX1471 receives 300MHz–450MHz signals, and an on-chip 42dB (typ) image rejection mixer eliminates the need for SAW filters in many applications. The part operates from 3.3V or 5V supplies down to 2.1V.

Part	Temperature Range (°C)	Power Supply (V, ±10%)	ASK Sensitivity (dB, typ)	Image Rejection @ 413MHz (dB, typ)
MAX1471ETJ	-40 to +85	3.3/5	-114	42

SPI is a trademark of Motorola, Inc.



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