

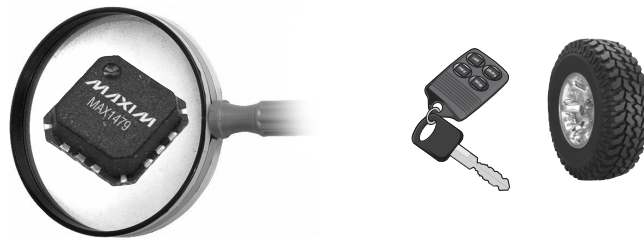
WORLD'S SMALLEST PLL-BASED, 300MHz TO 450MHz, +10dBm ASK/FSK TRANSMITTER

Uses Only 6.7mA* and Has the Best Standby Current

The MAX1479 is a highly efficient, PLL-based OOK/ASK/FSK transmitter for applications requiring small packaging, high output power, and low current consumption. Designed for the TPM/RKE market, it operates down to 2.1V while only consuming 0.2nA in sleep mode. This device also consumes only 6.7mA (typical at 50% duty cycle) to transmit +10dBm at 315MHz. Current draw is 10.5mA at 100% duty cycle or FSK. Shutdown current never exceeds 1.6µA, at any temperature, thus extending battery life. The MAX1479 is ETSI EN 300 220 compliant, packaged in a thin QFN, and designed for use with SOT-based crystals for absolutely the smallest system implementation.

SMALL, 16-PIN QFN PACKAGE

**PERFECT FOR
BATTERY-POWERED EQUIPMENT
SUCH AS KEY FOBs, CAR ALARMS,
TIRE-PRESSURE MONITORS**



Compare and See—MAXIM Far Surpasses the Competition

Part	Shutdown Current (nA at 25°C)	Max Shutdown Current (nA at 125°C)	Output Power (dBm)	Transmit Current (mA)	Pin-Package
MAX1479ATE	0.2	1.6	+10 (2.7V)	10.5	16-TQFN (3mm x 3mm)
Melexis TH72005**	0.2	4.0	+7.6 (3V)	10.3	10-MLPD (3mm x 3mm)
Infineon TDK5111**	0.25	Unspecified	+10 (3V)	14	16-TSSOP
Atmel T5753**	<10	7.0	+8.0 (3V)	9	8-TSSOP

Part	Data Encoding	Temperature Range (°C)	Pin-Package	Price† (\$)
MAX1479ATE	OOK/ASK/FSK	-40 to +125	16-TQFN (3mm x 3mm)	0.99

†10k piece price provided is for design guidance and is FOB USA. International prices will differ due to local duties, taxes, and exchange rates.

Not all packages are offered in 1k increments, and some may require minimum order quantities.

*Current consumption given in ASK mode at 315MHz.

**Source: Product data sheet



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