



$P_D = 50 \text{ mW/typ}$

## Offset Programmer

The MC12021/MC12521 is an IF offset programmer that provides a means of producing automatic IF offset generation for synthesizer tuned transceivers when used in conjunction with the MC12020 or the MC12520 control block. The part is an eight-input, four-output data selector. It is the logic implementation of a four-pole, two position switch with the switch position controlled by the enable input. One set of input codes determine the frequency of transmission and is programmable with either switches or circuitry; the other code determines the IF offset frequency. The enable input is controlled by the Q output of the MC12020/MC12520. This device was designed for low frequency operation which allows for low power operation. Maximum current drain is 9.4 mA over temperature.

MC12021/MC12521

PHASE-LOCKED LOOP