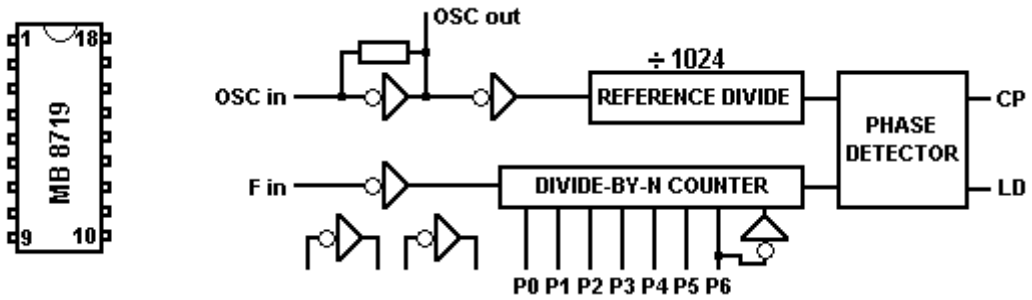


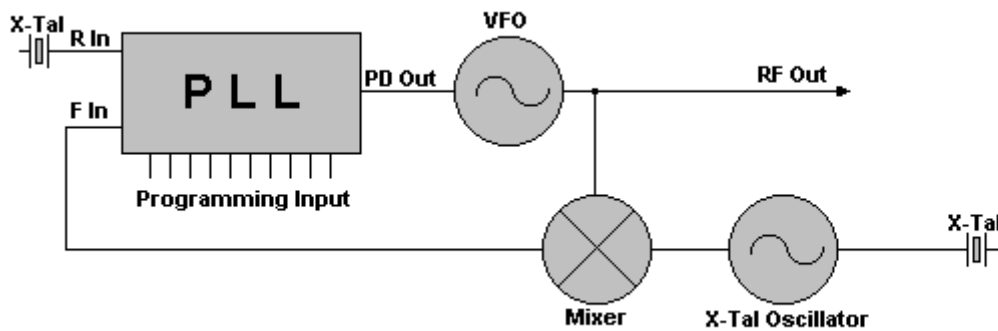
MB8719 MB8734 RCI8719 PLL Synthesizer



Overview

This PLL-circuit use a 6 bit (MB8734 and RCI8719) or 7 bit (MB8719) BCD binary programmable divide-by-N counter.

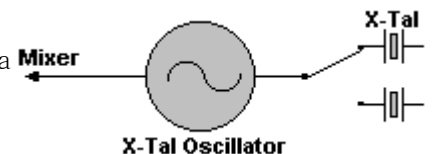
Down-converting of the frequency to the divider



This PLL Circuit use a Mixer and a X-Tal Oscillator to convert the output frequency f_{OUT} to the f_{IN} to the PLL Circuit.

The X-Tal frequency is $f_{XTAL} = f_{OUT} - f_{IN}$

The output frequency can be changed by changing the mixing-xtal or add a new mixing-xtal to the oscillator.



TRUTH TABLE FOR MB8719

P6	P5	P4	P3	P2	P1	P0	Divide by N
0	0	0	0	0	0	0	0 + 128
0	0	0	0	0	0	1	1 + 128
0	0	0	0	0	1	0	2 + 128
0	0	0	0	0	1	1	3 + 128
0	0	0	0	1	0	0	4 + 128
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
0	1	1	1	1	1	1	64 + 128
1	0	0	0	0	0	0	0 + 64
1	0	0	0	0	0	1	1 + 64
1	0	0	0	0	1	0	2 + 64
1	0	0	0	0	1	1	3 + 64
1	0	0	0	1	0	0	4 + 64
1	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-
1	1	1	1	1	1	1	64 + 64

Uniden AM/FM/SSB Chassis

