|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Man.** | **Part #** | **Logic** | **Translation** | **Freq /MHz** | **Stability** | **Rise time** | **Phase jit** | **TIE** | **$$$** |
| CTS | 658 | LVPECL | Onsemi MC100LVEL91DWG 620ps | <750 | 25-50ppm | ~0.4ns  <1ns |  |  |  |
| Fox | F5500 | ECL | x | <170 | +- 100ppm | 2ns |  |  |  |
| Fox | FXO-HC53 | HCMOS | ?? | 200 | 25 ppm | 3ns | 0.8 ps | 3.3ps | $10 |
| Fox | FXO-LC735R | LVDS | ?? | 200-1GHz | 50 ppm | 400ps | 0.9 ps |  | $55-72 |
| FOX | FXO-PC52 | LVPECL | Onsemi MC100LVEL91DWG 620ps | 200-1GHz | 20-50 ppm | 400ps | 1.3 ps | 4.2 ps | $58-70 |
| **Fox** | **FXO-PC73** | **LVPECL** | Onsemi MC100LVEL91DWG620ps | **<1.3 GHz** | **20–50 ppm** | **400ps** | **1.0 ps** | **3.5 ps** | **$60** |
| Connor Winfield | EH91-51-4 | ECL | x | <300 | 20-50 ppm | 2.3ns |  |  |  |
| **Connor Winfield** | **PMxxxx** | **LVPECL** | Onsemi MC100LVEL91DWG **620ps** | **<650** | **25 ppm** | **300 ps** | **0.6 ps** | **3 ps** | **$30** |
| Golledge | GXO-E93ND | ECL | x | <200 | 100ppm  (50?) | 2ns |  |  |  |
| AVX | KC7050T200 | LVPECL | Onsemi MC100LVEL91DWG 620ps | 200 | 50 ppm | 600 ps | 2 ps |  | $85 |
| AVX | KC7050P100 | LVPECL | Onsemi MC100LVEL91DWG620ps | 100 | 25 ppm | 600 ps | 4 ps |  | $20 |
| Crystek | CCPD-034 | LVPECL | Onsemi MC100LVEL91DWG620ps | 200 | 20-50 ppm | 1 ns |  |  | $20-40 |
| Vectron | VCC6 | LVPECL | Onsemi MC100LVEL91DWG620ps | 100 | 50 ppm | 600 ps | 0.2 ps | 4.8 ps | $20 |

TIE = Time Interval Error (sigma of jitter distribution)

Phase jitter & TIE are in ``ps RMS’’

<http://www.ctscorp.com/components/xo.asp>

<http://www.frequencymanagement.com/TCXO.html>

<http://www.frequencymanagement.com/oscillators.html>

<http://www.frequencymanagement.com/peclxos.html>

OVEN CONTROLLED

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| **Man.** | **Part #** | **Logic** | **Translation** | **Freq /MHz** | **Stability** | **Rise time** | **Phase jit** | **TIE** | **$$$** |
| Abracon | AOCJY | CMOS/sine | ?? | 100 | 5 ppb | 5ns |  |  | 175 |
| Abracon | AOCJY1 | CMOS | ?? | 100 | 50 ppb | 6ns |  |  | 90 |
|  |  |  |  |  |  |  |  |  |  |