

NEW! PHASE-LOCKED 10 MHz CLEAN-UP OSCILLATORS

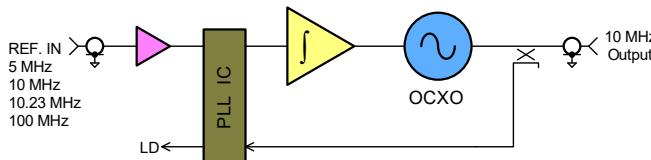


Model PLOC10-10 Features

- 10 MHz output with **ultra-low** phase noise.
- Output stability and accuracy is same as input.
- With no input present, this module becomes a self-contained 10 MHz standard.
- Available as a small module (2.5" x 2.5" x 0.86") or as a system ready 1U rack mountable assembly (P/N: suffix -RX)
- Great value at a low cost.



Block Diagram



Description

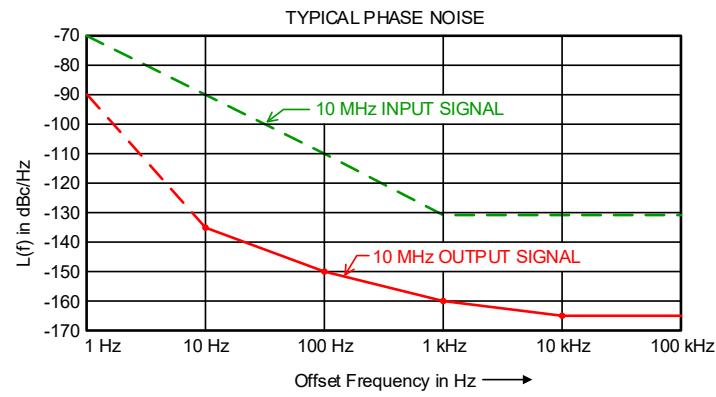
The PLOC10-10 is a miniature assembly designed to phase-lock the internal high performance 10 MHz OCXO to the input reference signal. The internal 10 MHz OCXO has exceptionally good phase noise performance. When phase locked to a source with outstanding long term stability such as an atomic standard or GPS, this module is an ideal 10 MHz frequency source for systems requiring excellent

phase noise performance. When the 10 MHz input is not present the internal OCXO acts as a standalone precision source.

This assembly can be used as a 10 MHz reference for frequency synthesizers and PLO's used in high performance SatCom, telecommunications and instrumentation.

Key Specifications

| | |
|------------------------------|-------------------------|
| Output Frequency: | 10 MHz |
| Optional Output Frequencies: | 5, 10.23 or 100 MHz |
| Stability and Accuracy: | Same as input |
| Spurious (max.): | -80 dBc |
| Harmonics (typ.): | -30 dBc |
| Output Power (min.): | +13 dBm |
| VSWR: | 1.5:1 |
| Input Reference Freq.: | 5, 10, 10.23 or 100 MHz |
| Power Requirements: | +15.0 Vdc |
| Temperature Range: | -20°C to +70°C |



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