

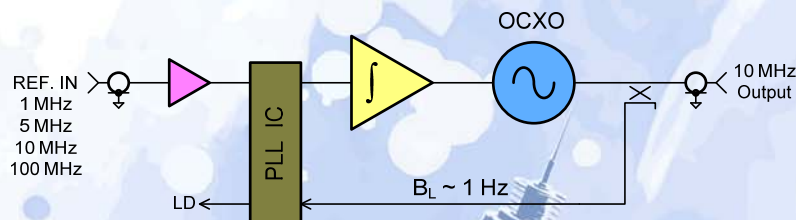
NEW! PHASE-LOCKED 10 MHz CLEAN-UP OSCILLATOR

Model PLOC10-10 Features

- 10 MHz output with exceptional phase noise performance
- Output has the same long term stability and accuracy as the input
- Ideal 10 MHz source for SatCom, Telecom and Instrumentation
- Low cost module
- Very small size (3.00" X 2.50" X 0.86")



Block Diagram



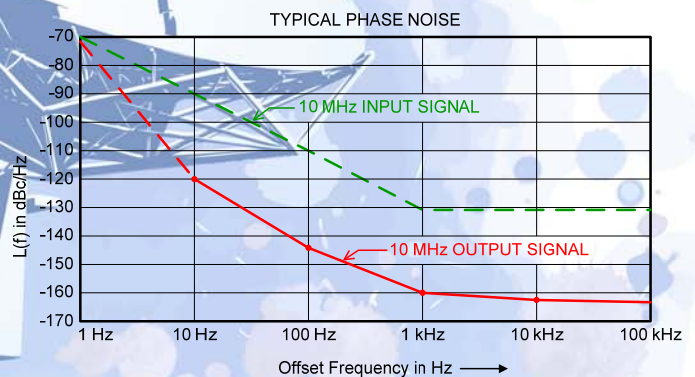
Description

This new miniature module is designed to phase-lock the internal 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. It can be used as a 10 MHz reference for frequency synthesizers and PLO's used in high performance SatCom, telecommunications and instrumentation.

PLOC10-10 Key Specifications

Output Frequency:	10 MHz
Stability and Accuracy:	Same as input
Phase Noise:	As shown in plot
Spurious (max.):	-80 dBc
Harmonics (typ.):	-30 dBc
Output Power (min.):	+11 dBm
Output Power Variation:	1 dB
VSWR:	1.5 :1
Alarm (LD):	Open Collector or TTL
Input Reference Freq.:	1, 5, 10 or 100 MHz
Power Requirements:	+15.0 Vdc
	Typical: 250 mA
	Warm-up: 400 mA
Temperature Range:	-20°C to +70°C
Size:	3.00" x 2.50" x 0.86"



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