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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