



Crystal Oscillators > Phase Locked & Auto Switching >

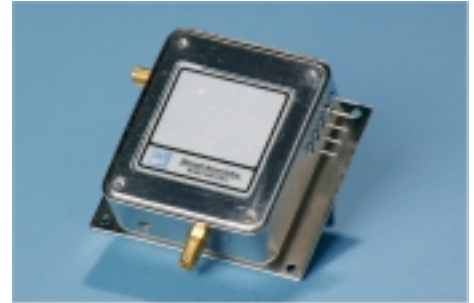
HF Digital PLO Series

Features:

- Clean-Up Oscillator
- Automatic Input Detection
- Low Loop Bandwidth <1 Hz Available
- Excellent Phase Noise Performance

Applications:

- Up-Down Converters
- System Synchronization
- Test Equipment
- GPS Clean-Up



The low frequency PLO includes a high performance SC-cut crystal in a highly stable oven. Detection circuitry selects the external reference input when provided, automatically. Phase noise floors are better than -165 dBc/Hz. Limited divider ratios, please verify with sales department .

Typical Specifications:						
Frequency (Specify)	4 to 30 MHz					
Frequency	5	10	MHz			
Output Level	+10 dBm					
Aging	Per day after 30 days operating, typical $\pm 5 \times 10^{-10}$					
	Per year after 90 days operating, typical $\pm 5 \times 10^{-8}$					
Phase Noise	10 Hz	-130	-135	-125	-130	dBc/Hz
	100 Hz	-150	-155	-150	-155	dBc/Hz
	1 kHz	-165	-165	-165	-165	dBc/Hz
Temperature Stability (Specify)	Range A	0 to +50C				$5 \times 10^{-8}$ to $1 \times 10^{-8}$
	Range B	0 to +65C				
	Range C	0 to +70C				
	Range D	-20 to +70C				
Supply Voltage (Specify)	+12 or +15 VDC					
Warm-up Power	<6 for 5 minutes Watts					
Total Power typical	<4 at 25°C Watts					
Crystal Type	SC					
Dimensions	69.9 x 78.5 x 27.9				mm	
	2.75 x 3.090 x 1.1				inches	
Connectors	SMA output, input, Feedthru capacitors					

