



Crystal Oscillators > Phase Locked & Auto Switching >

HF Analog PLO Series

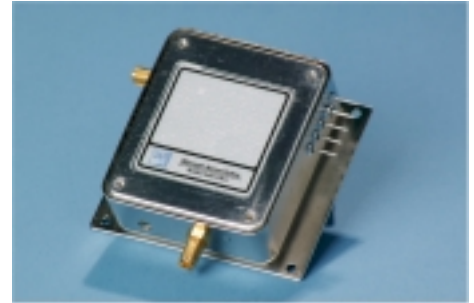
Features:

- 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

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
100 Hz	-150	-155	-150	-155
1 kHz	-165	-165	-165	-165
10 Hz		dBc/Hz		
100 Hz		dBc/Hz		
1 kHz		dBc/Hz		
Temperature Stability (Specify)				
Range A	0 to +50C	5×10^{-8} to 1×10^{-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 See drawings				
Connectors		SMA output, input, Feedthru capacitors		

