



Crystal Oscillators > 4 to 30 MHz > **HF LO Series OCXO**

Features:

- Very Low Phase Noise
- Low G-Sensitivity
- Small PCB Mount Package
- Lightweight
- Internal Voltage Regulator
- Wide Tuning Range

Applications:

- Airborne
- Mobile Transceivers
- Instrument Reference



The HF version of our LO Series OCXO uses a VHF crystal. Small and lightweight, this unit is ideally suited for both airborne and mobile applications where good phase noise under vibration is required. The unit also has an internal voltage regulator, which provides excellent line rejection. Please consult factory if you need any specifications to be modified to better suit your application.

Typical Specifications:							
Frequency (Specify)		4 to 30 MHz					
Frequency		10		20		MHz	
Output Level		+13					
Aging		$\pm 1 \times 10^{-6}$ to $\pm 5 \times 10^{-7}$					
Phase Noise							
10 MHz, +13 dBm							
	10 Hz	-120	-125	-115	-120	dBc/Hz	
	100 Hz	-145	-150	-135	-145	dBc/Hz	
	1 kHz	-160	-165	-160	-160	dBc/Hz	
	10 kHz	-165	-165	-165	-165	dBc/Hz	
	20 kHz	-165	-165	-165	-165	dBc/Hz	
Temperature Stability (Specify)							
Range A	0 to +50C	$\pm 1 \times 10^{-6}$ to $\pm 5 \times 10^{-7}$					
Range B	0 to +65C						
Range C	0 to +70C						
Range D	-20 to +70C						
Range E	-40 to +70C						
Spurious		-80					dBc
Harmonics		-30					dBc
Electrical Tuning Range (Specify)							
Tuning A	0 to +10 VDC	$\pm 2 \times 10^{-7}$ to $\pm 4 \times 10^{-6}$					
Tuning B	± 5 VDC						
Supply Voltage (Specify)		+12 or +15					VDC
Warm-up Power		4					Watts
Total Power typical		1.5					Watts
Crystal Type		SC					
Dimensions		38.1 x 38.1 x 13					mm
		1.5 x 1.5 x .5					inches
Connectors		Solder pins on base					

