



Military & Space > Vibration Environment > VHF LO Series OXO

**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 OXO 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)		30 to 130 MHz				
Frequency		50	100	MHz		
Output Level		+13				dBm
Aging		$\pm 1 \times 10^{-6}$ / year to $\pm 5 \times 10^{-7}$				
Phase Noise	100 Hz	-134	-135	-125	-130	dBc/Hz
	1 kHz	-154	-155	-150	-155	dBc/Hz
	10 kHz	-165	-165	-165	-165	dBc/Hz
	20 kHz	-165	-170	-165	-170	dBc/Hz
Temperature Stability (Specify)		$\pm 1 \times 10^{-6}$ to $\pm 5 \times 10^{-7}$				
Range A	0 to +50C					
Range B	0 to +65C					
Range C	0 to +70C					
Range D	-20 to +70C					
Range E	-40 to +70C					
Electrical Tuning Range (Specify)		$\pm 2 \times 10^{-7}$ to $\pm 4 \times 10^{-6}$				
Tuning A	0 to +10 VDC					
Tuning B	$\pm 5$ VDC					
Supply Voltage (Specify)		+12 or +15				VDC
Warm-up Power		5 for less than 3 minutes				Watts
Total Power typical		2 at 25°C				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				

