



Crystal Oscillators > 20 to 130 MHz > VHF 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)		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	± 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					

