



Military and Space > Vibration Environment > Low G Phase Locked Oscillator

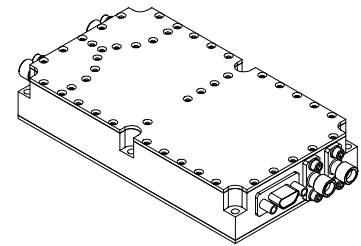
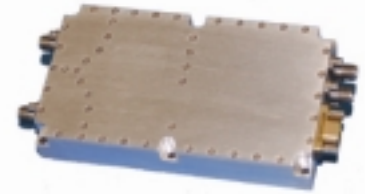
Features:

- 30 to 130 MHz
- Internal Vibration Isolation
- Dual Output
- Phase Lockable

Applications:

- Airborne
- Radar
- Tactical Radio
- Vehicular Communication

The Low G Phase Locked Crystal Oscillator is a Dual Output VHF oscillator with phase locking capabilities for system synchronization. The unit incorporates a special quartz resonator, which exhibits an excellent G sensitivity for phase noise under vibration. This part is ideal for environments of high vibration including airborne, vehicular communications, and radar applications.



Typical Specifications:			
Input Frequency	5 to 30 MHz		
Input Level	+7 to +13 dBm		
Input Tuning Range	±4e-6, typical		
Output Frequency	30 to 130 MHz		
Output Frequency	50	100	MHz
Output Level	+13 +/- 2 dB		dBm
Aging	±1e-6 / year, typical		
Phase Noise	100 Hz	-134	-125
	1 KHz	-154	-150
	10 KHz	-165	-165
	1 kHz	-165	-165
Temperature Stability (Specify)	Range A	0 to +50C	±1e-6 to ±5e-7
	Range B	0 to +65C	
	Range C	0 to +70C	
	Range D	-20 to +70C	
	Range E	-40 to +70C	
Harmonics	-30		dBc
Spurious	-70		dBc
Dimensions	4 x 2.25 x .75		inches
Connectors	SMAs (f), Sub-m DB-9		
Packaging	Machined aluminum housing		
Mounting	Six 4-40 mounting holes		
Acceleration Sensitivity	To 5 x 10-10/g per axis, 10 Hz to 2 kHz		
Supply Voltage (Specify)	+12 or +15		VDC
Warm-up Power	<8 Watts for < 5 minutes		Watts
Total Power @ 25 °C	<5 Watts @ +25°C		Watts
Crystal Type	SC		

