



## Military and Space > Vibration Environment > Low G Surface Mount OXO

### Features:

- 30 to 128 MHz
- Low G Sensitivity Crystal
- Rigged Mounting Provisions

### Applications:

- Airborne
- Radar
- Tactical Radio
- Vehicular Communication



The Low G Surface Mount Crystal Oscillator is a VHF oscillator, which incorporates a rigged mounted board via .030" pins and a special quartz resonator for the best phase noise performance under vibration. The unit also has provisions to be mounted via four 4-40 screws. This part is ideal for environments of high vibration including airborne, vehicular communication, and radar applications.

Typical Specifications:			
Frequency	30 to 130 MHz		
Output Frequency	50	100	MHz
Output Level	+13 +/- 2 dB		dBm
Aging	Per day after 30 days operating, typical		
	±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		
Electrical Tuning Range (Specify)			
Harmonics	-30		dBc
Electrical Tuning (Specify)			
Tuning A	0 to +10 VDC	±2e-7 to ±4e-6	
Tuning B	±5 VDC		
Dimensions	2.05 x 1.5 x .5		inches
Connectors	Solder pins on base		
Packaging	Hermetically sealed steel can impervious to gross leaks		
Mounting	Four 4-40 threaded inserts		
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	5 Watts for < 5 minutes		Watts
Total Power @ 25 °C	2 Watts @ +25°C		Watts
Crystal Type	SC		

