



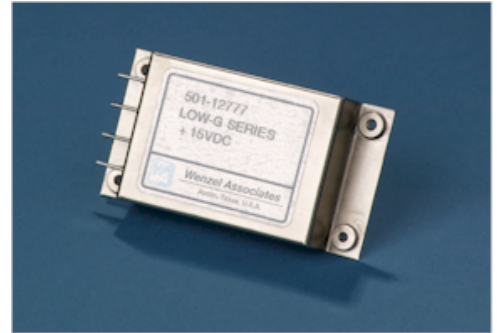
Military and Space > Vibration Environment > Low-G Series

Features:

- 100 to 160 MHz
- Internal Vibration Isolation
- Lord Micro-Mount Series Isolators

Applications:

- Airborne
- Radar
- Tactical Radio
- Vehicular Communication



The Low-G Series oscillator offers Wenzel's leading phase noise and is designed to minimize phase noise degradation under dynamic conditions. The VHF oscillator is internally isolated and utilized a surface mount crystal that offers acceleration sensitivity as low as 2e-10/g.

Typical Specifications:					
Frequency (Specify)	100 to 160 MHz				
Frequency	100	160	MHz		
Output Level	+13				
Output Level	dBm				
Aging	Per year after 30 days operating, typical				
Aging	1 x 10 ⁻⁶ to 5 x 10 ⁻⁷				
Phase Noise	Static	Dynamic	Static	Dynamic	
*Dynamic phase noise calculated using .01g 2/Hz PSD 10 Hz to 2 kHz					
10 Hz	-90	-68	-85	-64	dBc/Hz
100 Hz	-120	-80	-115	-76	dBc/Hz
1 kHz	-150	-136	-145	-132	dBc/Hz
2 kHz	-155	-148	-150	-144	dBc/Hz
10 kHz	-160	-160	-160	-160	dBc/Hz
Temperature Stability (Specify)	±1 x 10 ⁻⁶ to ±5 x 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				
Spurious	-80				dBc
Harmonics	-30				dBc
Acceleration Sensitivity	To 2 x 10 ⁻¹⁰ /g per axis, 10 Hz to 2 kHz				
Resonant Frequency	~100 Hz				
Electrical Tuning (Specify)					
Tuning A	0 to +10 VDC	±4 x 10 ⁻⁶			
Tuning B	±5 VDC	±4 x 10 ⁻⁶			
Supply Voltage (Specify)	+12 or +15				VDC
Warm-up Power	6				Watts
Total Power typical	2.5				Watts
Crystal Type	SC				
Dimensions (with brackets)	48.3 x 38.1 x 152				mm
Dimensions (with brackets)	1.9 x 1.5 x 6				inches
Connectors	Solder pins on side				

