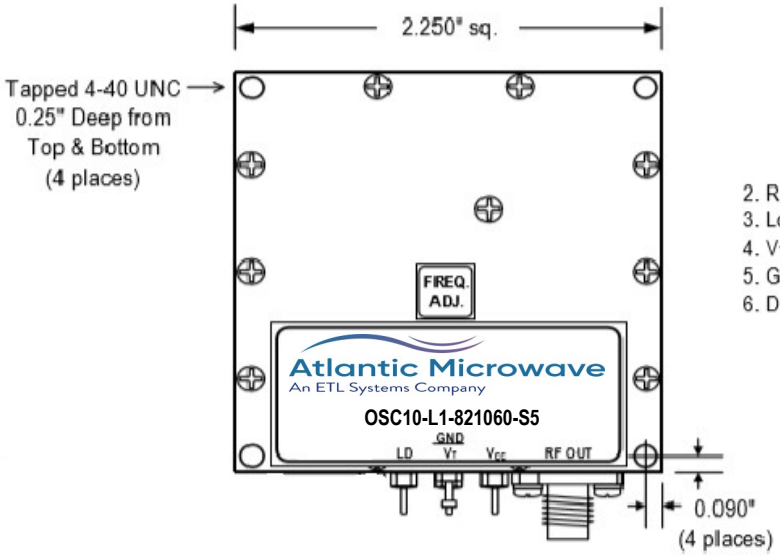
Atlantic Microwave
An ETL Systems Company

OSC10-L1-821060-S5

Digital Phase - Locked Oscillator

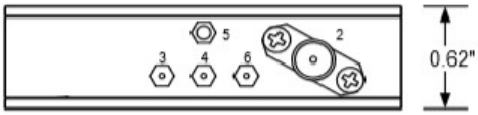
2.0 GHz

- Frequency 2.0GHz
- SMA Female Connector



All dimensions given in inches

2. RF Output
3. Lock Detector
4. V_T (Test Point)
5. Ground Lug
6. DC Power (V_{CC})



RF Parameters		
Frequency Range	2.0 GHz	
Aging	±1 PPM max per year @ 25°C	
Adjustability typ.	10 years	
Phase Noise in dBc/Hz		Typ.
	L(10 Hz)	-70
	L(100 Hz)	-80
	L(1 kHz)	-90
	L(10 kHz)	-95
	L(100 KHz)	-100
	L(1 MHz)	-120
	L(10 MHz)	-150
Spurious (max.)	-60 dBc	
Harmonics (max.)	-20 dBc	
Power Out @ 25˚C (min)	+13 dBm	
Power Variation (freq. & temp) (max)	±2dB	
Load VSWR (max.)	2:1	
Phase-lock Indicator (LD), High = lock	Open Collector	

DC Power	
+5.5 Vdc ±0.5 Vdc	250 mA

Environmental	
Operating Temperature range (surface)	-5˚C to +65˚C
Storage Temperature range	-40˚C to +85˚C
Relative humidity (non-condensation)	90%RH @40°C
Shock	30 g / 10msec
Vibration	4 g / 20 Hz—20 kHz

Note 1: The specification provided is at nominal bias voltage and at 25˚C unless otherwise specified
Note 2: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
Note 3: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.