Frequency 10 MHz Level +7 dBm ±6 dB into 50 ohms **OUTPUT** Frequency 10 MHz Level A: +13 dBm ±2 dB (± 3 dB *) into 50 ohms B: +10 dBm ±2 dB (± 3 dB *) into 50 ohms, each output STABILITY, free running Aging 5 x 10⁻¹⁰ /day after 24 hours operating 5 x 10⁻⁸/year, second year, typical 3 x 10 ⁻⁸ per year, thereafter Phase Noise L(f)Free Running Standard Premium 10 Hz -135 dBc/Hz -140 dBc/Hz 100 Hz -157 dBc/Hz -160 dBc/Hz 1 kHz -169 dBc/Hz -172 dBc/Hz 10 kHz -172 dBc/Hz -174 dBc/Hz **Temperature Stability** E: ±1 x 10⁻⁸, 0° to +50°C (Ref +25°C) F: ±2 x 10⁻⁸, -20° to +70°C (Ref +25°C) G*: ±1 x 10⁻⁷. -55° to +85°C (Ref +25°C) **SPECTRAL PURITY Harmonics** ≤ -30 dBc **PLL Divider Products** ≤ -50 dBc **Non-Harmonic Spurious** ≤ -80 dBc, excluding power supply line related spurs **MECHANICAL Packaging** Nickel-Plated Machined Aluminum Case **Dimensions** 2.5" x 3.5" x 0.8" A: Single Output

B: Dual output

EXTERNAL REFERENCE INPUT

Connectors

Terminals

Supply Voltage

Warm-Up Power

Total Power

ADJUSTMENT Loop BW

CRYSTAL

Type

Type 2 Loop

10 MHz SC-cut

Acceleration Sensitivity

PHASE LOCK STATUS

Phase Lock Alarm (ALM)

Phase Voltage Monitor (ΦV)

RF Input/Output: SMA(f)

GND: Ground Turret

POWER REQUIREMENTS

≤ 4 Watts at +25°C

G* ≤ 6 Watts at +25°C

Target Bandwidth: 1 Hz

1e-10/g per axis, guaranteed

Locked: +3.5 VDC to +5.2 VDC (Hi) Out-of-Lock: +0.8 VDC max (Lo)

Electrical tuning monitor pin provided

Power, Monitoring: Feed Thru

+15 VDC ±5% or +12 VDC ±5%

≤ 6 Watts for 5 minutes at +25°C

G* ≤ 8 Watts for 5 minutes at +25°C

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-19-14	Initial Release	CB	PAC
Α	08-11-16	Phase Noise, Temperature stability, Loop BW	BH	VG
В	02-14-19	Total Power	BH	VG

Ordering Options

				-	
		Phase Noise		Temp	
-xx	Voltage	L(f)	Package	(Ref +25 ℃)	
01	+15V	Standard	Α	E	
02	+15V	Standard	Α	F	
03	+15V	Standard	Α	G	
05	+15V	Standard	В	E	
06	+15V	Standard	В	F	
07	+15V	Standard	В	G	
11	+15V	Premium	Α	E	
12	+15V	Premium	Α	F	
13	+15V	Premium	Α	G	
15	+15V	Premium	В	E	
16	+15V	Premium	В	F	
17	+15V	Premium	В	G	
21	+12V	Standard	Α	E	
22	+12V	Standard	Α	F	
23	+12V	Standard	Α	G	
25	+12V	Standard	В	E	
26	+12V	Standard	В	F	
27	+12V	Standard	В	G	
31	+12V	Premium	Α	E	
32	+12V	Premium	Α	F	
33	+12V	Premium	Α	G	
35	+12V	Premium	В	E	
36	+12V	Premium	В	F	
37	+12V	Premium	В	G	

Wenzel Associates, Inc.

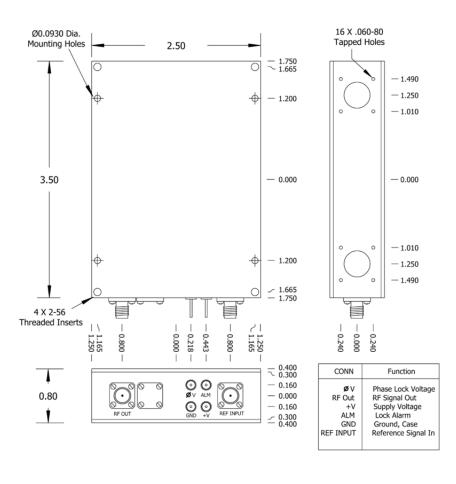
Austin. Texas

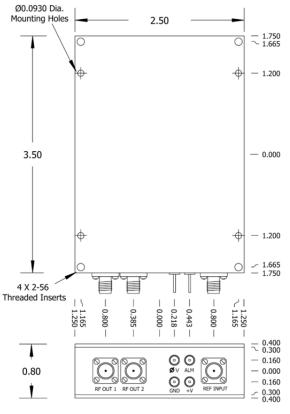
10 MHz-SC Phase Lock Crystal Oscillator V2 (LBW=1Hz)

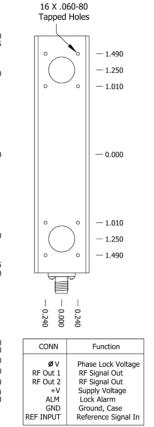
(LBW=1112)								
P/N:	Rev:	Date:		Drawn:		Ref:		
501-27601-xx	В	0	2-14-19			ULN		
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.03	0"	0.XXX Dec: ±0.010"	FSCM: 62821	Р	age 1 of 2		

Package A

Package B







Wenzel Associates, Inc. Austin, Texas								
10 MHz-SC Phase Lock Crystal Oscillator V2 (LBW=1Hz)								
P/N: 501-27601-xx	Rev:	Date: 02-14-19		Drawn:	Ref: ULN			
Tolerances: (except as noted) Dimensions are in inches	xcept as noted)		0.XXX Dec: ±0.010"	FSCM: 62821	Page 2 of 2			