

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-04-14	Initial Release	PAC	

INPUT

Frequency
10 MHz

Level
+7 dBm ±5 dBm into 50 ohms

OUTPUT

Frequency
13.0 GHz

Level
+9 dBm ±2 dBm into 50 ohms, each output

STABILITY

Aging
1 x 10⁻⁶ per year after 30 days operating, typical

Phase Noise L(f)
 100 Hz -85 dBc/Hz
 1 KHz -113 dBc/Hz
 10 KHz -130 dBc/Hz
 100 KHz -131 dBc/Hz

Temperature Stability
±5 x 10⁻⁷, 0° to +50°C (Ref +25°C)

Harmonics
-30 dBc

Sub-Harmonics and Related Products
-40 dBc

Spurious
<-60 dBc

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

MECHANICAL

Dimensions
8 x 10 x 2.620"

Connectors
SMA(f) and feedthru capacitors

Packaging
Aluminum housing with extended mounting cover

POWER REQUIREMENTS

Warm-Up Power
<23 Watts max for 5 minutes

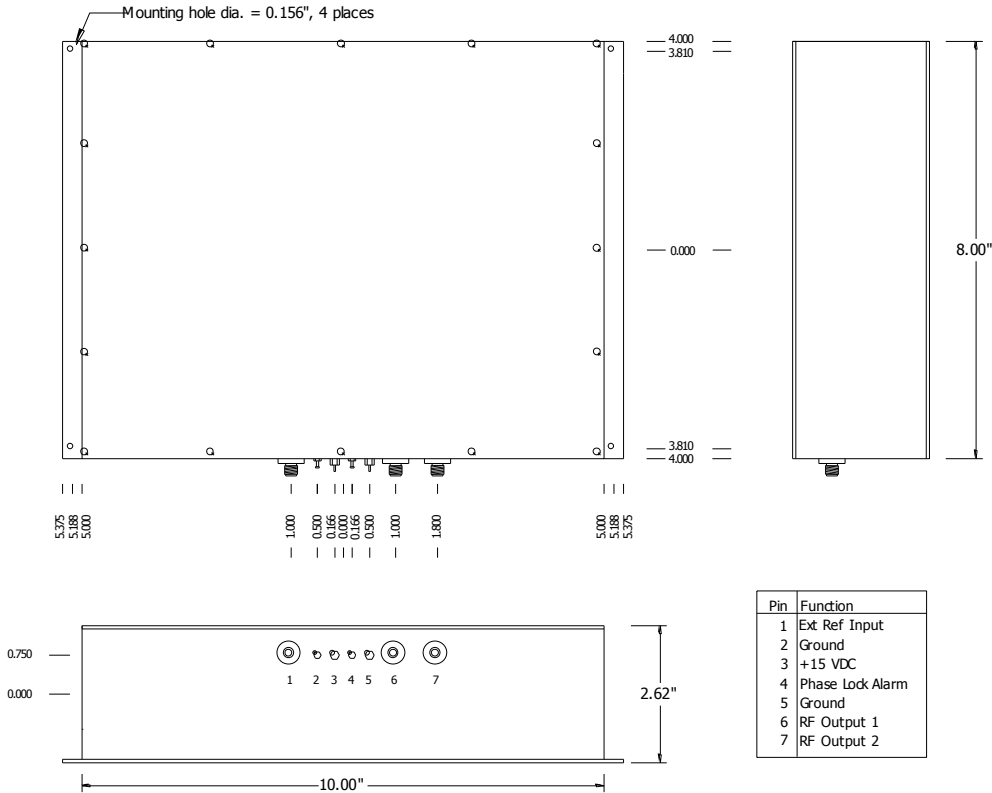
Total Power
<20 Watts at +25°C


Supply Voltage
+15 VDC

ADJUSTMENT
Loop BW

Type 2 Loop
Target Bandwidth: <10 Hz

Crystal Type
SC-cut



 Wenzel Associates, Inc. Austin, Texas				
Title:				
13 GHz-SC Low Noise Phase Locked Source				
P/N:	Rev:	Date:	Drawn:	Ref:
501-27908	-	03-04-14		
Tolerances: (except as noted) Dimensions are in inches		0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821
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