OUTPUT

Frequency

160 MHz

Level

+13 dBm ±2 dB into 50 ohms

STABILITY

Aging

1×10^{-6} first year

after 30 days operating, typical

5×10^{-7} second year, typical

3×10^{-7} per year thereafter, typical

Phase Noise L(f), dBc/Hz

100 Hz	-118
1 kHz	-148
10 kHz	-169
100 kHz	-175

Temperature Stability

$\pm 4 \times 10^{-7}$, 0° to +50°C (Ref +25°C)

$\pm 8 \times 10^{-7}$, -20° to +70°C (Ref +25°C)

MECHANICAL

Dimensions

1.5 x 1.5 x 0.5”

Connectors

Solder pins on base

Packaging

Solder sealed steel can

POWER REQUIREMENTS

Warm-Up Power

≤ 5 Watts for 5 minutes

Total Power

≤ 2.0 Watts at +25°C

Supply Voltage

+12 VDC ±5%

ADJUSTMENT

Mechanical Tuning

$\pm 4 \times 10^{-6}$

Electrical Tuning

$\pm 2 \times 10^{-7}$, ±5 VDC

Negative slope

CRYSTAL

Type

160 MHz SC-cut

Test Data

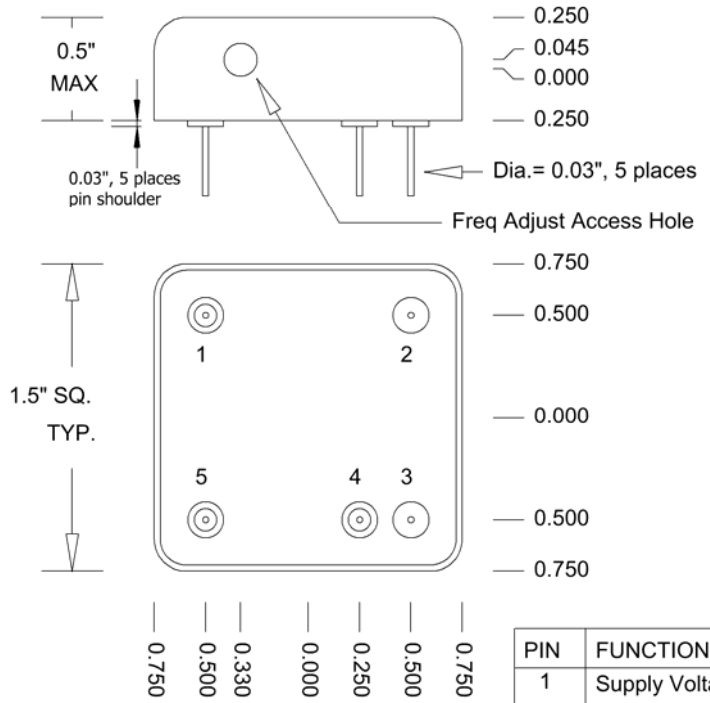
Phase Noise

Temperature Stability

Warm-Up

Total Power

REV	DATE	REVISION RECORD	DWN	AUTH
-	05-10-16	Initial Release	Liz	PAC



PIN	FUNCTION
1	Supply Voltage
2	Ground, Case
3	Ground, Case
4	RF Output
5	Electrical Tuning

Wenzel Associates, Inc.
Austin, Texas

Title:

160 MHz-SC LO ULN Crystal Oscillator

P/N:	Rev:	Date:	Drawn:	Ref:
501-30040	**-**	**05-10-16**		

Tolerances: (except as noted) Dimensions are in inches	0.XX Dec:	0.XXX Dec:	FSCM:	Page 1 of 1
	±0.030”	±0.010”	62821	