

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-18-02	Draft	KH	LR
A	11-04-04	Aging	SS	GP

OUTPUT

Frequency

100 MHz

Level

+13 dBm ±2 dBm into 50 ohms

STABILITY

Aging

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

Phase Noise L(f)

100 Hz -130 dBc/Hz
1 kHz -155 dBc/Hz
10 kHz -165 dBc/Hz
20 kHz -170 dBc/Hz

Temperature Stability

±5 x 10⁻⁷, 0° to +50°C (Ref +25°C)

MECHANICAL

Dimensions

1.5 x 1.5 x 0.5"

Connectors

Solder pins on base

Packaging

Sealed steel can

POWER REQUIREMENTS

Warm-Up Power

<5 Watts for 3 minutes

Total Power

2.0 Watts at +25°C, typical

Supply Voltage

+15 VDC

ADJUSTMENT

Mechanical Tuning

±4 x 10⁻⁶

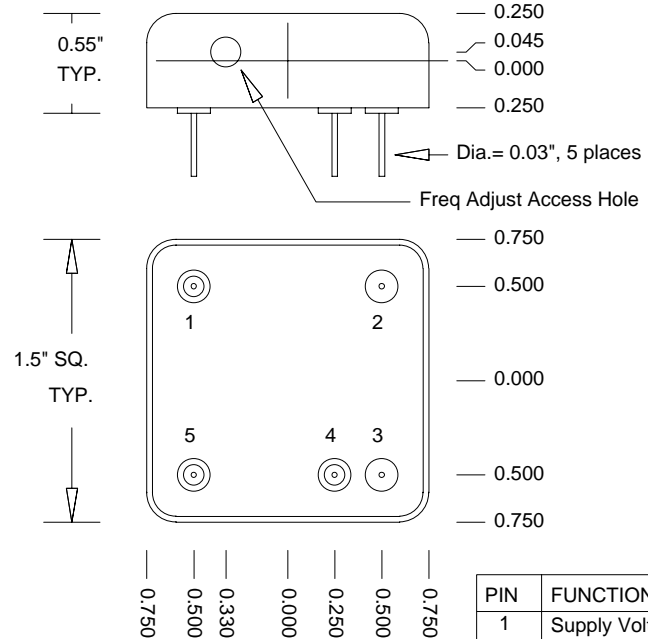
Electrical Tuning

±5 x 10⁻⁷, ±5 VDC
Negative Slope

CRYSTAL

Type

100 MHz SC-cut



Connector numbers are for reference only, they are not marked on unit.

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



Wenzel Associates, Inc.

Austin, Texas

Title:

Premium 100 MHz-SC L.O. Series Crystal Osc.

P/N: 501-09500	Rev: A	Date: 11-04-04	Drawn:	Ref: 501-04562a
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Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 1
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