

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-07-95	Draft	BH	
A	03-18-02	T/CO, Total Power	KH	LR

OUTPUT

Frequency

100 MHz

Level

+10 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 -125 dBc/Hz
1 kHz -150 dBc/Hz
10 kHz -165 dBc/Hz
20 kHz -165 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 less than 3 minutes

Total Power

2.0 Watts at +25°C

Supply Voltage

+15 VDC

ADJUSTMENT

Mechanical Tuning

±4 x 10⁻⁶

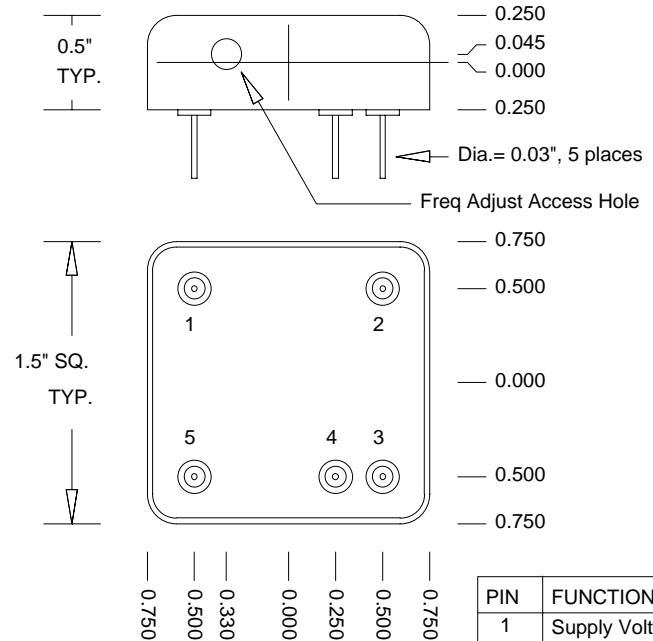
Electrical Tuning

±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:

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

P/N:

501-04561

Rev:

A

Date:

03-18-02

Drawn:

Ref:

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:
±0.030"

0.XXX Dec:
±0.010"

FSCM:
62821

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