

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-20-95	Draft	BH	
A	02-18-99	Negative Slope	MS	

OUTPUT

Frequency

50 MHz

Level

+13 ±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
1 KHz -150 dBc
10 KHz -165 dBc
20 KHz -165 dBc

Temperature Stability

±5 x 10⁻⁷, 0° to +50°C (Ref +25°C)

MECHANICAL

Dimensions

2 x 2 x 0.75"

Connectors

Solder pins on base

Packaging

Solder sealed steel can

POWER REQUIREMENTS

Warm-Up Power

<5 Watts for 5 minutes

Total Power

2.7 Watts at +25°C

Supply Voltage

+15 VDC

ADJUSTMENT

Mechanical Tuning

±3 x 10⁻⁶

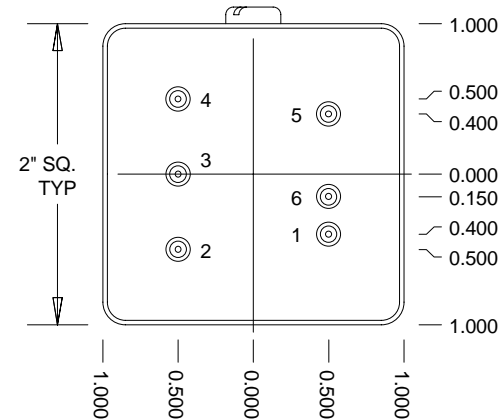
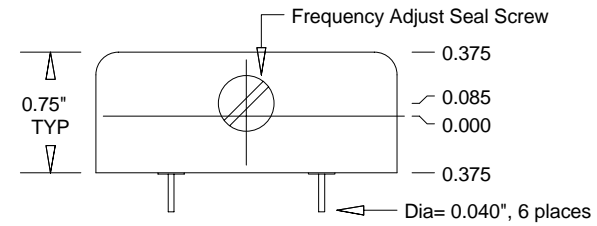
Electrical Tuning

±5 x 10⁻⁷, ±5 VDC
Negative Slope

CRYSTAL

Type

50 MHz SC-cut



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

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



Wenzel Associates, Inc.

Austin, Texas

Title:

Standard 50 MHz-SC Sprinter Crystal Oscillator

P/N:

501-04616

Rev:

A

Date:

02-18-99

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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