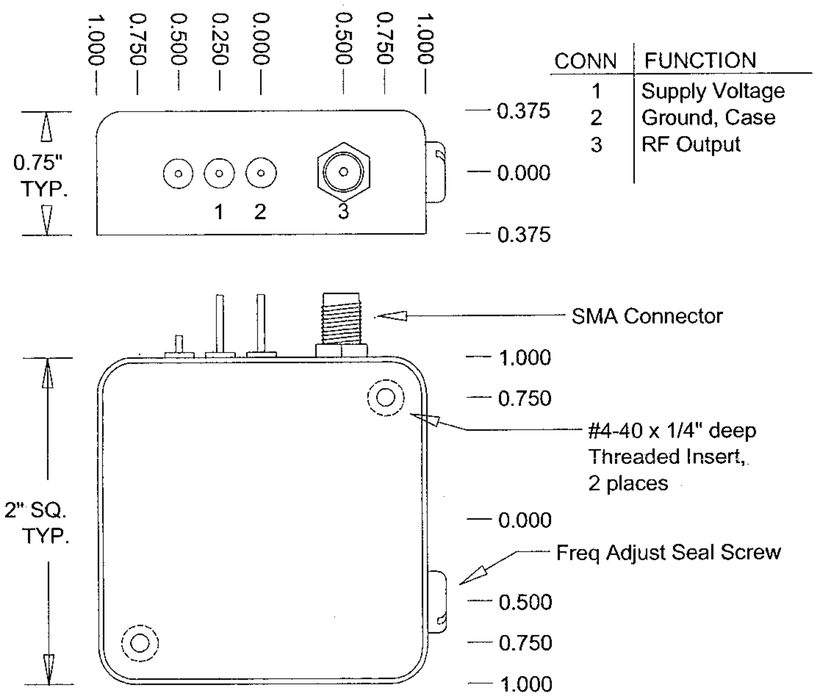
OUTPUT
Frequency
100 MHz
Level
+13 ±2dBm into 50 ohms
STABILITY
Aging
5×10^{-7} per year
after 30 days operating, typical
$<3 \times 10^{-9}$ per day at time of shipment,
after a minimum 7 day aging period
Phase Noise L(f)

100 Hz	-115 dBc
1 KHz	-140 dBc
10 KHz	-160 dBc
20 KHz	-165 dBc

Temperature Stability
$\pm 1 \times 10^{-6}$, -40° to +65°C
Set Tolerance
$\pm 5 \times 10^{-8}$ adjustment after a minimum
24 hours on
MECHANICAL
Dimensions
2 x 2 x 0.75"
Connectors
SMA and feedthru capacitor
Packaging
Solder sealed steel can with
gasketed access screw and
threaded inserts on base
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
$\pm 4 \times 10^{-6}$, typical

CRYSTAL
Type
100 MHz SC-cut
OTHER
Test Data
Aging rate at time of shipment
Phase Noise
Set Tolerance

REV	DATE	REVISION RECORD	DWN	AUTH
-	01-12-00	Draft	KW	LR
A	02-18-99	Phase Noise	KW	LR
B	06-30-00	Mechanical Drawing	BH	



CONN	FUNCTION
1	Supply Voltage
2	Ground, Case
3	RF Output

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

Wenzel Associates, Inc.
Austin, Texas

Title:
100 MHz-SC Sprinter Crystal Oscillator

P/N:	Rev:	Date:	Drawn:	Ref:
500-07078	B	06-30-00		500-06147b

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