

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-19-07	Draft	VG	DC

OUTPUTS

Frequency

5 MHz

Level

+12 dBm ±2 dB into 50 ohms

Frequency

100 MHz

Level

+12 dBm ±2 dB into 50 ohms

STABILITY

Aging

5 x 10⁻¹⁰ per day after 30 days operating, typical

Phase Noise L(f)

5 MHz 100 MHz

10 Hz -145 dBc/Hz -115 dBc/Hz

100 Hz -165 dBc/Hz -135 dBc/Hz

300 Hz -168 dBc/Hz -138 dBc/Hz

1 KHz -170 dBc/Hz -150 dBc/Hz

10 KHz -170 dBc/Hz -170 dBc/Hz

Temperature Stability

±2 x 10⁻⁸, 0° to +50°C (Ref +25°C)

Sub-Harmonics and related products

<-60 dBc

Harmonics

<-25 dBc

MECHANICAL

Dimensions

5 x 6 x 2.62"

Connectors

SMA F and feedthru capacitors

Packaging

Aluminum housing with extended mounting cover and gasketed access screw

POWER REQUIREMENTS

Warm-Up Power

<18 Watts max for 5 minutes

Total Power

<11 Watts at +25°C

Supply Voltage

+15 VDC

ADJUSTMENT

Electrical Tuning

±1 x 10⁻⁶, ±5 VDC

CRYSTAL

Type

SC-cut

OTHER

Marking

Label connectors

TEST DATA

Output Level

Temp. Stability

Phase Noise

Electrical Tuning

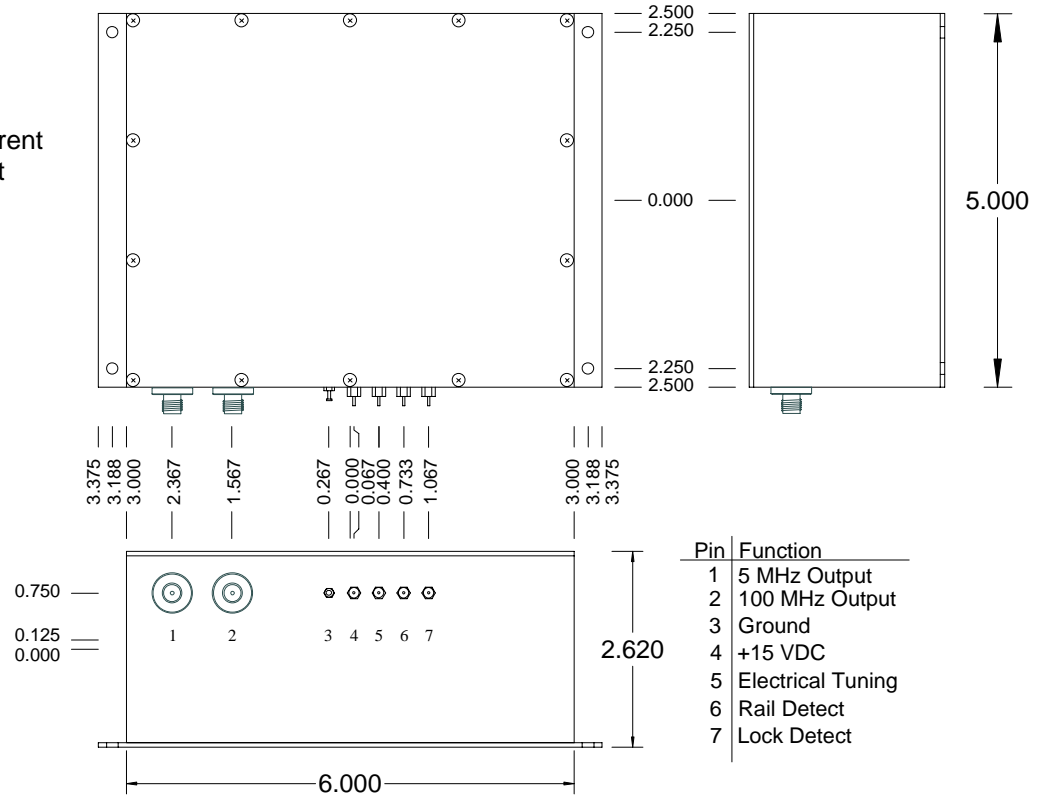
Steady State Current


Warm-Up Current

Harmonics

Sub-Harmonics

Mounting hole dia. = 0.156", 4 places



 Wenzel Associates, Inc. Austin, Texas				
Title: 5 and 100 MHz-SC Sorcerer Phase Locked Source				
P/N: 501-17341	Rev: -	Date: 03-19-07	Drawn:	Ref: 500-13164F
Tolerances: (except as noted) Dimensions are in inches		0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821
Page 1 of 1				