

OUTPUT	Frequency	Level
Conn_1	5 MHz	+13 ±2 dBm into 50 ohms
Conn_2	10 MHz	+13 ±2 dBm into 50 ohms

STABILITY

Aging

1 x 10⁻¹⁰ per day
 after 30 days operating, typical
 2.5 x 10⁻¹⁰ per day at time of shipment

Premium Phase Noise L(f)

	5 MHz	10 MHz
1 Hz	-120 dBc/Hz	-113 dBc/Hz
10 Hz	-150 dBc/Hz	-143 dBc/Hz
100 Hz	-168 dBc/Hz	-161 dBc/Hz
1 KHz	-174 dBc/Hz	-167 dBc/Hz
10 KHz	-175 dBc/Hz	-168 dBc/Hz
100 KHz	-176 dBc/Hz	-169 dBc/Hz

Temperature Stability

±5 x 10⁻¹⁰, 0° to +50°C (Ref +25C)

MECHANICAL

Dimensions

4 x 3 x 2"

Connectors

B: SMA(f) x 2 and feedthru capacitor

Packaging

Machined aluminum enclosure case

POWER REQUIREMENTS

Warm-Up Power

10 Watts for 30 minutes

Total Power

5 Watts at +25°C

Supply Voltage

+15 VDC ±5% or +12 VDC ±5%

ADJUSTMENT

(consult factory for non standard tuning options)

Mechanical Tuning

±1 x 10⁻⁶

Electrical Tuning

±2 x 10⁻⁷, ±5 VDC
 Negative slope

CRYSTAL

Type

5 MHz SC-cut (x2)

REV	DATE	REVISION RECORD	DWN	AUTH
-	11-19-13	Draft	CB	

Ordering Options

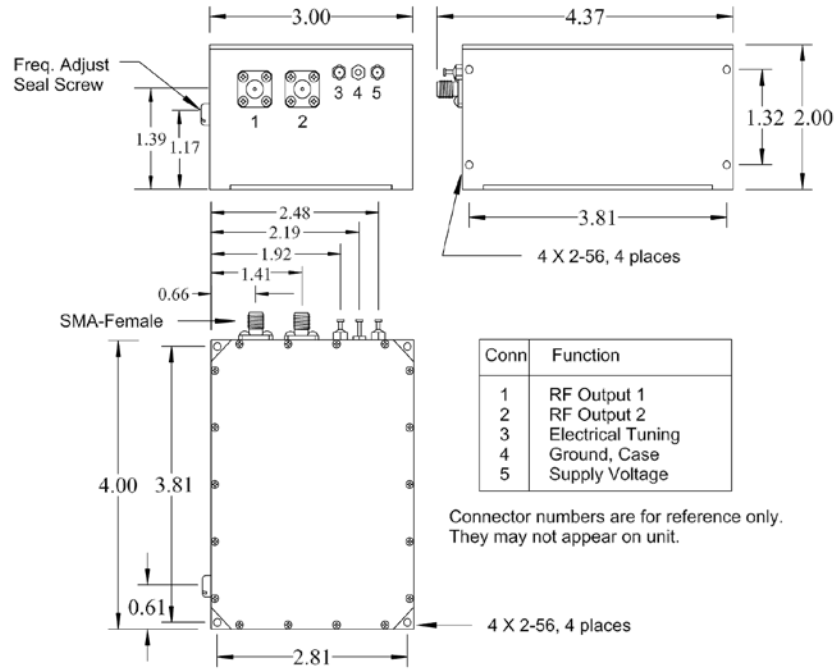
-xx	Voltage
15	+15V
35	+12V



Wenzel Associates, Inc.
 Austin, Texas

Title: Premium 5/10 MHz-SC Blue Top Ultra Low Noise Osc.				
P/N: 501-27504-xx	Rev: -	Date: 11-19-13	Drawn:	Ref:
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 2

Package B



Wenzel Associates, Inc.

Austin, Texas

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Premium 5/10 MHz-SC Blue Top Ultra Low Noise Osc.

P/N:

501-27504-xx

Rev:

-

Date:

11-19-13

Drawn:

Ref:

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:
±0.030"

0.XXX Dec:
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FSCM:
62821

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