

EV	DATE	REVISION RECORD	DWN	AUTH
-	10-10-12	Initial Release	Liz	

OUTPUT

Frequency

160 MHz

Level

+13 dBm ±2 dB into 50 ohms

STABILITY

Aging

1 x 10⁻⁶ per year
after 30 days operating, typical

Phase Noise L(f)

100 Hz -115 dBc/Hz
1 kHz -145 dBc/Hz
10 kHz -169 dBc/Hz
100 kHz -173 dBc/Hz

Temperature Stability

±2 x 10⁻⁷, 0° to +50°C (Ref +25°C)

Harmonics

≤ -30 dBc

Spurious

≤ -90 dBc, excluding power supply line related spurs

MECHANICAL

Dimensions

1.835 x 1.865 x 0.75"

Connectors

SMA(f) and solder pins on side

Packaging

Nickel-plated machined aluminum case

POWER REQUIREMENTS

Warm-Up Power

≤ 5 Watts for 5 minutes

Total Power

≤ 2.7 Watts at +25°C

Supply Voltage

+15 VDC ±5%

ADJUSTMENT

Mechanical Tuning

±4 x 10⁻⁶

Electrical Tuning

±2 x 10⁻⁷, ±5 VDC
Negative slope

CRYSTAL

Type

160 MHz SC-Cut

ENVIRONMENTAL

Operating Temperature

0° to +50°C

Storage Temperature

-40° to +85°C

OTHER

Label

Use conventional label with the following information:

501-26351 (Current Rev.)

160 MHz ULN II

+15 VDC

Serial # - Date Code

Test Data

Output Level

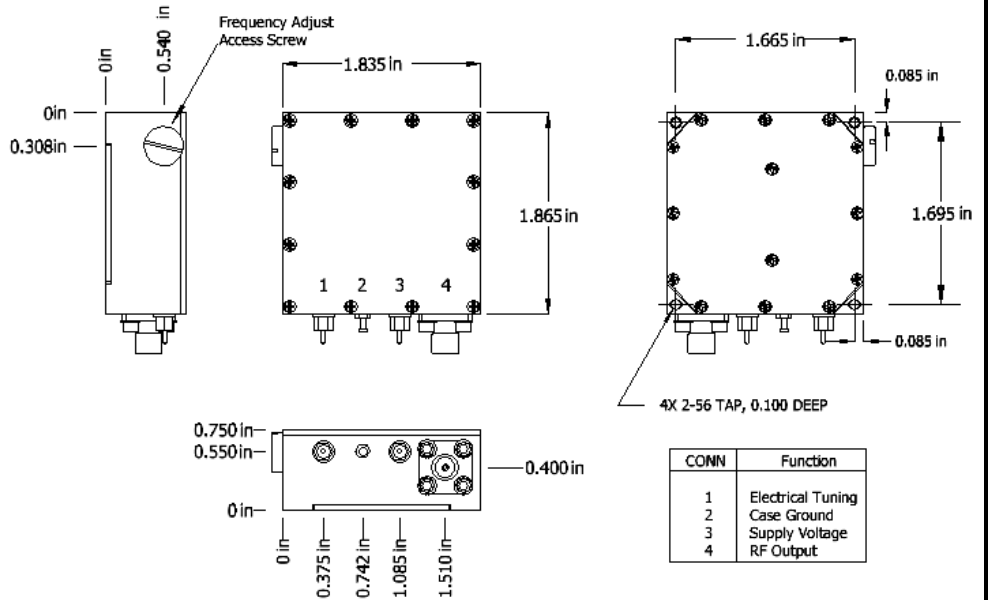
Phase Noise, Static

Temperature Stability

Harmonics, Spurious

Power – Warm-up and Total

Tuning – MT and ET



Wenzel Associates, Inc.

Austin, Texas

Title:

160 MHz-SC Ultra Low Noise II Crystal Oscillator

P/N:

501-26351

Rev:

-

Date:

10-10-12

Drawn:

Ref:

23145

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:

±0.030"

0.XXX Dec:

±0.010"

FSCM:

62821

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