

OUTPUT**Frequency**

10 MHz

Level

+13 dBm ±2 dB into 50 ohms

STABILITY**Aging (typical)**1 x 10⁻⁶ per year after 30 days operating5 x 10⁻⁷ second year3 x 10⁻⁷ per year, thereafter**Phase Noise L(f), Static**

10 Hz -120 dBc/Hz

100 Hz -145 dBc/Hz

1 KHz -160 dBc/Hz

10 KHz -165 dBc/Hz

100 KHz -165 dBc/Hz

Temperature StabilityE: ±2 x 10⁻⁷, 0° to +50°C (Ref +25°C)F: ±5 x 10⁻⁷, -20 to +70°C (Ref +25°C)G: ±2 x 10⁻⁶, -55° to +85°C (Ref +25°C)**Harmonics**

-30 dBc

Spurious

-80 dBc

MECHANICAL**Packaging**

Solder sealed steel can

Dimensions

1.5 x 1.5 x 0.5"

Connectors / Mounting

Solder pins on base; Thru-hole PCB mount

POWER REQUIREMENTS**Warm-Up Power**

≤ 6 Watts for less than 3 minutes at +25°C

Total Power

≤ 3 Watts at +25°C

Supply Voltage

+15 VDC ±5% or +12 VDC ±5%

ADJUSTMENT

(consult factory for non standard tuning options)

Electrical Tuning±5 x 10⁻⁷, ±5 VDC, Negative slope**CRYSTAL****Type**

80 MHz SC-cut (low-g) divide by 8

Acceleration Sensitivity

Select desired sensitivity

5: 5e-10 per g, per axis typical

3: 3e-10 per g, per axis typical

2: 2e-10 per g, per axis typical

REV	DATE	REVISION RECORD	DWN	AUTH
-	11-25-13	Initial Release	CB	

Ordering Options

-XX	G Sensitivity	Voltage	Phase Noise L(f)	Package	Temp (Ref +25 °C)
01	5	+15V	Standard	A	E
02	5	+15V	Standard	A	F
03	5	+15V	Standard	A	G
21	5	+12V	Standard	A	E
22	5	+12V	Standard	A	F
23	5	+12V	Standard	A	G
41	3	+15V	Standard	A	E
42	3	+15V	Standard	A	F
43	3	+15V	Standard	A	G
61	3	+12V	Standard	A	E
62	3	+12V	Standard	A	F
63	3	+12V	Standard	A	G
81	2	+15V	Standard	A	E
82	2	+15V	Standard	A	F
83	2	+15V	Standard	A	G
91	2	+12V	Standard	A	E
92	2	+12V	Standard	A	F
93	2	+12V	Standard	A	G

**Wenzel Associates, Inc.**

Austin, Texas

Title:

10 MHz-SC HFLO Series Crystal Oscillator

P/N:

501-27510-xx

Rev:

-

Date:

11-25-13

Drawn:

Ref:

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:

±0.030"

0.XXX Dec:

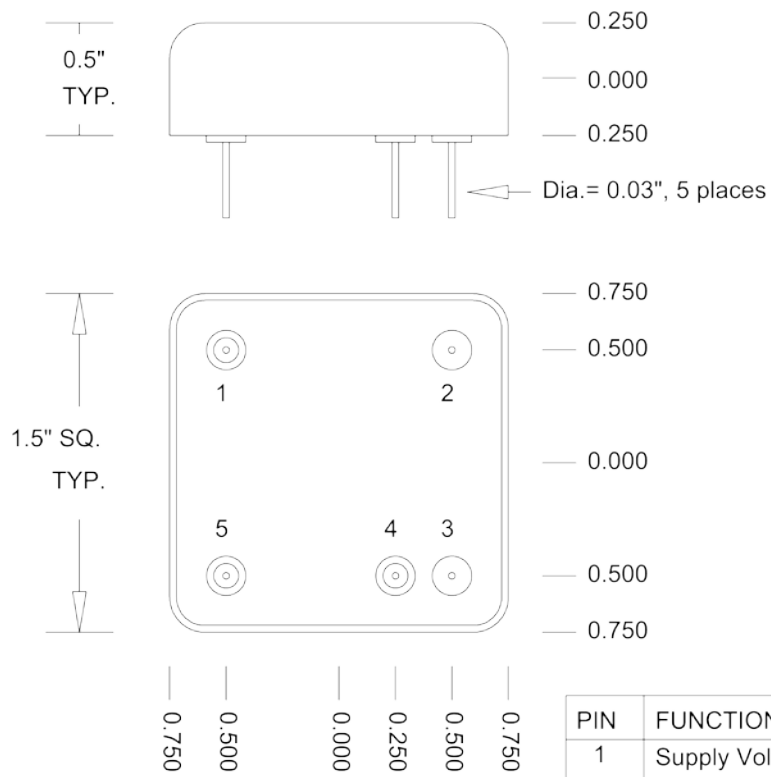
±0.010"

FSCM:

62821

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Package A



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

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

Wenzel Associates, Inc.				
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