

OUTPUT**Frequency**

10 MHz

Level+13 dBm ± 2 dB into 50 ohms**STABILITY****Aging (typical)** 1×10^{-6} per year after 30 days operating 5×10^{-7} second year 3×10^{-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: $\pm 2 \times 10^{-7}$, 0° to +50°C (Ref +25°C)F: $\pm 5 \times 10^{-7}$, -20 to +70°C (Ref +25°C)G: $\pm 2 \times 10^{-6}$, -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 $\pm 5\%$ or +12 VDC $\pm 5\%$ **ADJUSTMENT**

(consult factory for non standard tuning options)

Electrical Tuning $\pm 5 \times 10^{-7}$, ± 5 VDC, Negative slope**CRYSTAL****Type**

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

Acceleration Sensitivity

Select desired sensitivity

5: 5×10^{-10} per g, per axis typical3: 3×10^{-10} per g, per axis typical2: 2×10^{-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 "

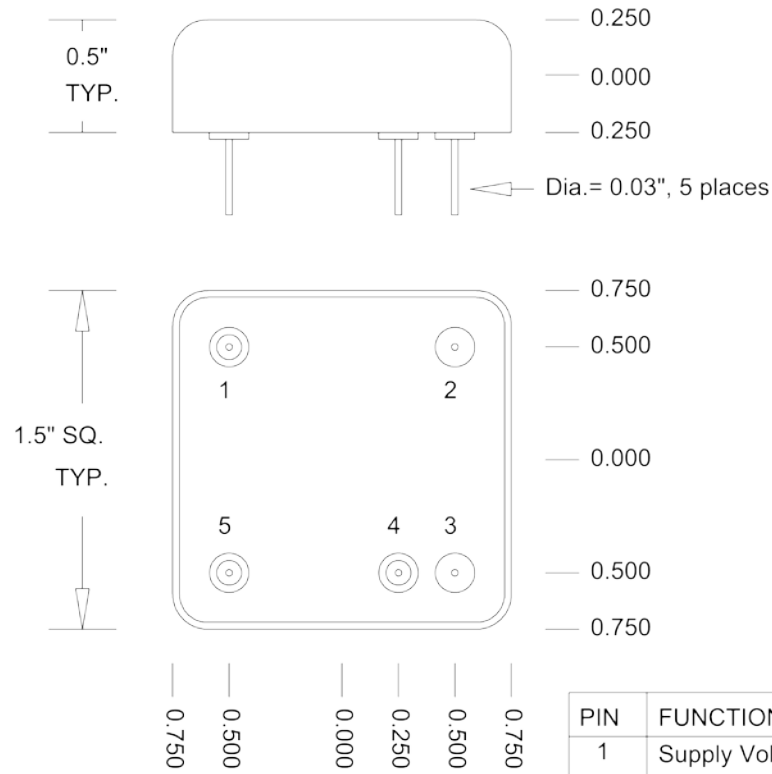
0.XXX Dec:

 ± 0.010 "

FSCM:

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Package A



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

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