

- 1.0 MONITOR PART NUMBER 7394-XX
- 2.0 CLASSIFICATION OSCILLATOR, CRYSTAL, TEMPERATURE COMPENSATED
- 3.0 ELECTRICAL CHARACTERISTICS (NOTE 1)
- 3.1 NOMINAL FREQUENCY SEE CHART 1 BELOW
- 3.1.1 CALIBRATION TOLERANCE _____
- 3.1.2 ADJUSTMENT RANGE ± 3 PPM MIN
- 3.1.2.1 ADJUSTMENT RESOLUTION _____
- 3.1.3 STABILITY
- 3.1.3.1 FREQUENCY vs AMBIENT ± 2.5 PPM FROM -30°C TO $+75^{\circ}\text{C}$
- 3.1.3.2 FREQUENCY vs VOLTAGE ± 0.3 PPM AT $V_{CC} \pm 5\%$
- 3.1.3.3 FREQUENCY vs LOAD _____
- 3.1.3.4 FREQUENCY vs TIME ± 1 PPM / YEAR
- 3.1.3.4.1 SHORT TERM _____
- 3.1.3.4.2 LONG TERM _____
- 3.1.3.4.3 PHASE JITTER _____
- 3.1.3.4.4 WARM UP TIME _____
- 3.2 WAVE FORM CLIPPED SINE WAVE
- 3.2.1 SYMMETRY/THD _____
- 3.2.2 AMPLITUDE 1.0 Vp-p MIN
- 3.2.3 RISE/FALL TIME _____
- 3.2.4 LOAD 10K OHM / 15pF
- 3.3 VCXO TRANSFER CHARACTERISTICS (OPTIONAL ON PIN 2)
- 3.3.1 TOTAL FREQUENCY CHANGE ± 4 PPM
- 3.3.2 CONTROL VOLTAGE RANGE 2.5VDC ± 2.0 VDC
- 3.3.3 TRANSFER COEFFICIENT and SENSE _____
- 3.3.4 LINEARITY _____
- 3.3.5 MODULATION RATE/RESPONSE _____
- 3.4 POWER INPUT
- 3.4.1 OSCILLATOR VOLTAGE/CURRENT +3.0 VDC / 3.0mA MAX
- 4.0 ENVIRONMENTAL
- 4.1 AMBIENT TEMPERATURE RANGE
- 4.1.1 OPERATING -30°C TO $+75^{\circ}\text{C}$
- 4.1.2 STORAGE -35°C TO $+75^{\circ}\text{C}$
- 4.2 VIBRATION MIL-STD-202F, METH 204, 35G'S, 50 TO 2000 TO 50 HZ
- 4.3 SHOCK MIL-STD-202F, METH 213B, TEST COND E., 1KG 1/2 SINE
- 4.4 HUMIDITY UNIT IS NOT HERMETICALLY SEALED
- 4.5 OTHER _____

NOTE 1 - ALL PERFORMANCE FIGURES ARE MEASURED UNDER THE FOLLOWING TEST CONDITION.

A. AMBIENT TEMP. $+25^{\circ}\text{C} \pm 5^{\circ}\text{C}$ EXCEPT PARA 3.1.31.

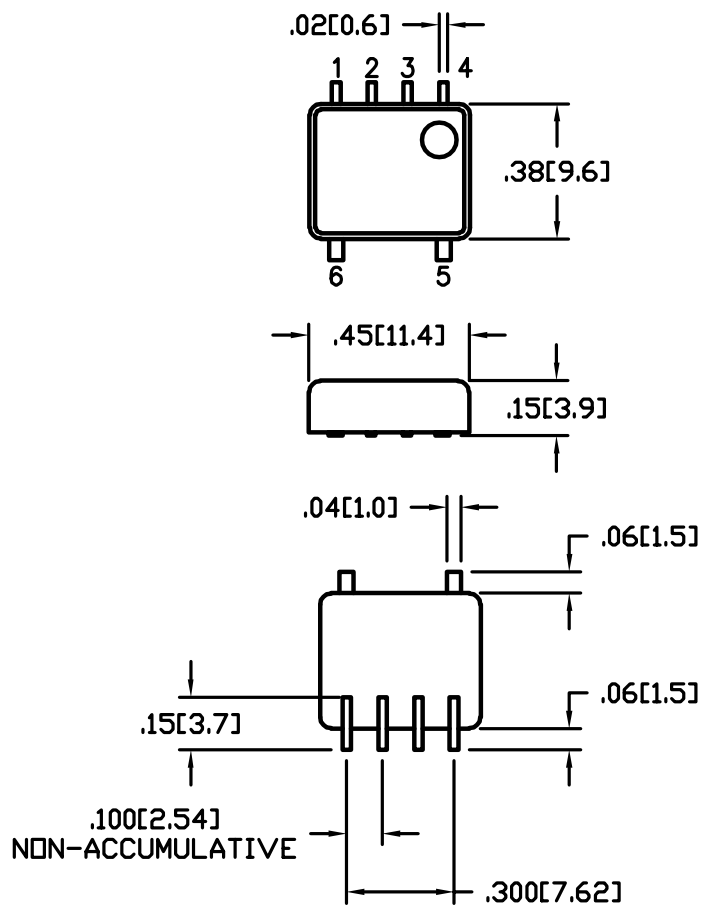
B. INPUT VOLTAGES: NOMINAL $\pm 1\%$ EXCEPT PARA 3.1.3.2

CHART 1					
DASH NO.	FREQUENCY (MHz)	DASH NO.	FREQUENCY (MHz)	DASH NO.	FREQUENCY (MHz)
-01	10.000	-08	18.000	-15	
-02	12.800	-09	20.456	-16	
-03	14.400	-10	21.400	-17	
-04	15.360	-11	12.000	-18	
-05	16.000	-12		-19	
-06	20.000	-13		-20	
-07	13.000	-14	24.000	-21	

SIZE	CAGE CODE	DWG NO	REV
A	54331	7608	F
SCALE 2/1	CAD FILE	S7394FX2.A13	SHEET 2 of 3

NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
ANSI Y14.5M-1982, DIMENSIONS AND TOLERANCES
2. DIMENSIONS IN BRACKETS ARE METRIC



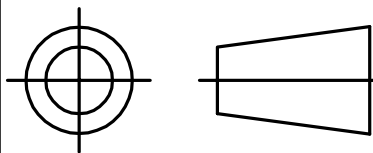
5.0 MECHANICAL

5.1 MATERIAL/FINISH

5.2 PIN CONNECTION

1	<u>+3VDC</u>	5	<u>CASE GND</u>
2	<u>NC (Vc OPTIONAL)</u>	6	<u>CASE GND</u>
3	<u>GND</u>	7	
4	<u>OUTPUT</u>	8	

THIRD ANGLE PROJECTION



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SCALE 2/1	CAD FILE	S7394FX3.A13	SHEET 3 of 3