1.0 MONITOR PART NUMBER 6730-XX

2.0 CLASSIFICATION OSCILLATORS, CRYSTAL, CLOCK, HIGH SPEED CMOS

3.0 ELECTRICAL CHARACTERISTICS

3.1 NOMINAL FREQUENCY SEE TABLE 1 SHEET3

3.1.1 CALIBRATION TOLERANCE ± 2 PPM AT +25°C WITH +2.5 VDC ON PIN 1

3.1.2 ADJUSTMENT RANGE

3.1.2.1 ADJUSTMENT RESOLUTION

3.1.3 STABILITY ±32 PPM OVER ALL CONDITIONS, 3.1.1, 3.1.3.1 TO 3.1.3.4 FOR 20 YEARS

3.1.3.1 FREQUENCY vs AMBIENT ±15 PPM -40°C TO +85°C

3.1.3.2 FREQUENCY vs VOLTAGE ±4 PPM

3.1.3.3 FREQUENCY vs LOAD ±2 PPM

3.1.3.4 FREQUENCY vs TIME ±2 PPM / FIRST 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

3.1.3.5 PHASE NOISE

10Hz	-115dBc/Hz
100Hz	-125dBc/Hz
1 kHz	-135dBc/Hz
10 kHz	-150dBc/HZ

3.3 VCXO TRANSFER CHARACTERISTICS

3.3.1 TOTAL FREQUENCY CHANGE ±100 PPM

3.3.2 CONTROL VOLTAGE RANGE +2.5VDC ±2.00 VDC

3.3.3 TRANSFER COEFFICIENT and SENSE POSITIVE

3.3.4 LINEARITY

3.3.5 MODULATION RATE/RESPONSE

3.2 WAVE FORM HCMOS

3.2.1 SYMMETRY/THD 50% ±10%

3.2.2 AMPLITUDE LOGIC "0" = 0.5V MAX / LOGIC "1" = 4.5 V MIN

3.2.3 RISE/FALL TIME 5nS TYP / 10 nS MAX

3.2.4 LOAD 15pF

3.3 POWER INPUT

3.3.1 OSCILLATOR VOLTAGE/CURRENT +5.0VDC±0.5V / 25 mA MAX

4.0 ENVIRONMENTAL

4.1 AMBIENT TEMPERATURE RANGE

4.1.1 OPERATING -50°C TO +85°C

4.1.2 STORAGE -55°C TO +125°C

4.2 VIBRATION MIL-STD-202F METHOD 204, 35G, 50 TO 2000 Hz

4.3 SHOCK MIL-STD-202F METHOD 213B TEST COND. E, 1000G, 1/2 SINE WAVE

4.4 HUMIDITY 85% RH, 85°C, 48 HOURS

4.5 HERMETIC SEAL LEAK RATE 2 x 10E-8 ATM, CC/SEC OF HELIUM

4.6 SOLDERABILITY MIL-STD-202F METHOD 208E

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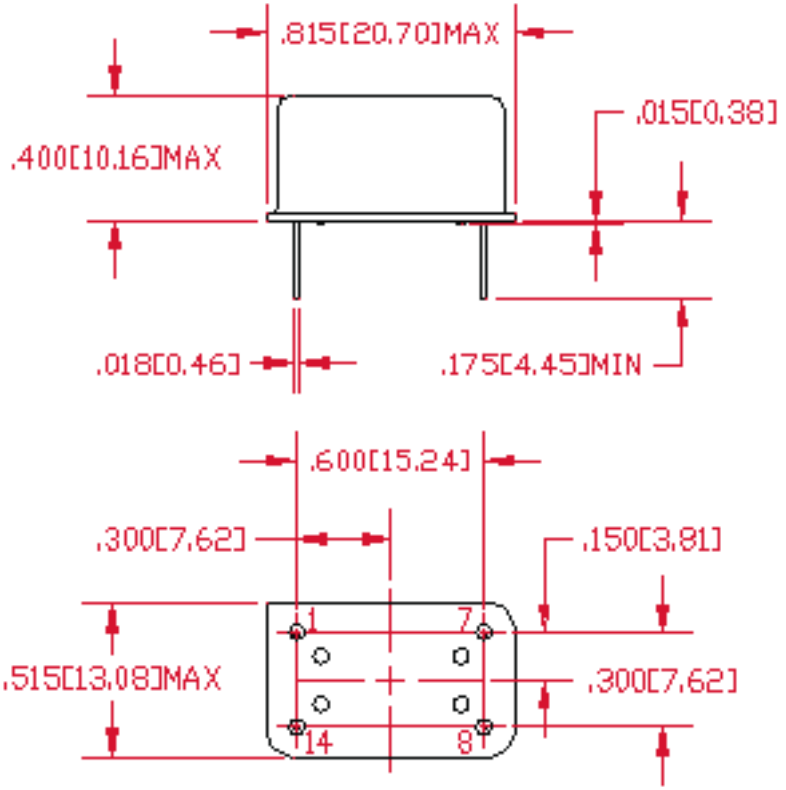
NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
   ANSI Y14.5M-1982, DIMENSIONS AND TOLERANCES
2. DIMENSIONS IN BRACKETS ARE METRIC
3. PIN NUMBERS ARE FOR REFERENCE ONLY

6730-XX



5.0 MECHANICAL

5.1 MATERIAL/FINISH NICKEL PLATED STEEL / HOT TIN DIPPED PINS

5.2 PIN CONNECTION

1. VC
7. GROUND
8. OUTPUT
14. +5.00 VDC

Frequency Table

DASH NO.	FREQUENCY (MHz)	DASH NO.	FREQUENCY (MHz)	DASH NO.	FREQUENCY (MHz)
-01	10.000000	-21	24.704000	-41	37.844000
-02	12.352000	-22	64.512000	-42	34.560000
-03	14.318180	-23	20.456000	-43	18.688000
-04	16.128000	-24	24.545400	-44	18.528000
-05	20.000000	-25	27.000000	-45	80.000000
-06	24.000000	-26	29.500000	-46	19.444000
-07	33.333333	-27	51.843200	-47	
-08	40.000000	-28	16.384000	-48	
-09	48.000000	-29	25.920000	-49	
-10	50.000000	-30	8.192000	-50	
-11	51.840000	-31	19.440000	-51	
-12	57.600000	-32	32.768000	-52	
-13	63.488000	-33	38.880000	-53	
-14	64.000000	-34	24.576000	-54	
-15	65.536000	-35	30.000000	-55	
-16	66.666666	-36	77.760000	-56	
-17	68.249600	-37	44.736000	-57	
-18	75.000000	-38	9.538086	-58	
-19	18.432000	-39	18.726000	-59	
-20	30.000000	-40	34.368000	-60	