

- 1.0 MONITOR PART NUMBER 6733-XX
- 2.0 CLASSIFICATION OSCILLATOR, CRYSTAL, VOLTAGE CONTROLLED
- 3.0 ELECTRICAL CHARACTERISTICS (NOTE 1)
- 3.1 NOMINAL FREQUENCY -01 = 9.344000 MHz / -02 = 18.384000 MHz
- 3.1.1 CALIBRATION TOLERANCE ±32 PPM WITH 2.5 VDC ± 0.05 VDC INCLUSIVE
- 3.1.2 ADJUSTMENT RANGE \_\_\_\_\_
- 3.1.2.1 ADJUSTMENT RESOLUTION \_\_\_\_\_
- 3.1.3 STABILITY \_\_\_\_\_
- 3.1.3.1 FREQUENCY vs AMBIENT ±32 PPM / -40°C TO +85°C INCLUSIVE
- 3.1.3.2 FREQUENCY vs VOLTAGE BETTER THAN 1 PPM FOR A 5% CHANGE
- 3.1.3.3 FREQUENCY vs LOAD 2 x 10E-7 MAX FROM NO LOAD TO 15pF
- 3.1.3.4 FREQUENCY vs TIME \_\_\_\_\_
- 3.1.3.4.1 SHORT TERM 1 x 10E-9/100ms MAX
- 3.1.3.4.2 LONG TERM 30 PPM MAX 10 YRS
- 3.1.3.4.3 PHASE JITTER LESS THAN 0.2ns
- 3.1.3.4.4 WARM UP TIME 1 SEC MAX
- 3.2 WAVE FORM HCWOS COMPATIBLE
- 3.2.1 SYMMETRY/THD 50%±10% AT Vcc/2
- 3.2.2 AMPLITUDE LOGIC "0" = 10%MAX / LOGIC "1" = 90 MAX
- 3.2.3 RISE/FALL TIME 10ns MAX
- 3.2.4 LOAD 15pF
- 3.3 VCC/D TRANSFER CHARACTERISTICS \_\_\_\_\_
- 3.3.1 TOTAL FREQUENCY CHANGE 0.50VDC TO 2.50VDC 100 PPM MIN  
2.50VDC TO 4.50VDC 100 PPM MIN
- 3.3.2 CONTROL VOLTAGE RANGE 0.50VDC TO 4.50 VDC
- 3.3.3 SENSE POSITIVE
- 3.3.4 LINEARITY ±20%
- 3.3.5 MODULATION RATE/RESPONSE 10KHz OR GREATER
- 3.4 POWER INPUT \_\_\_\_\_
- 3.4.1 OSCILLATOR VOLTAGE/CURRENT +5.0VDC±5% / 25mA MAX
- 4.0 ENVIRONMENTAL \_\_\_\_\_
- 4.1 AMBIENT TEMPERATURE RANGE \_\_\_\_\_
- 4.1.1 OPERATING -40°C TO +85°C
- 4.1.2 STORAGE -55°C TO +125°C
- 4.2 VIBRATION 10-55 Hz 0.060" DIA 55Hz-200Hz 20G's
- 4.3 SHOCK 1000G's 0.35 ms 1/2 SINE 3 SHOCKS EACH PLANE
- 4.4 HUMIDITY 85% RH AT 85°C 1000HRS
- 4.5 OTHER \_\_\_\_\_

NOTE 1 - ALL PERFORMANCE FIGURES ARE MEASURED UNDER THE FOLLOWING TEST  
 A. AMBIENT TEMP. +25°C±5°C EXCEPT PARA 3.1.3.1 CONDITION  
 B. INPUT VOLTAGES: NOMINAL ±1% EXCEPT PARA 3.1.3.2.

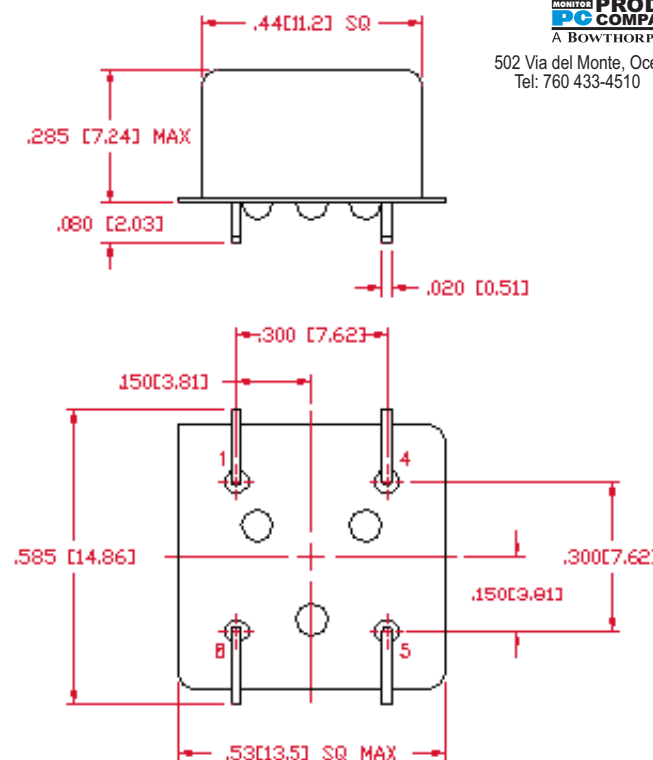
NOTES:

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

6733-XX



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5.0 MECHANICAL

- 5.1 MATERIAL/FINISH NICKEL PLATED STEEL /  
 5.2 PIN CONNECTION HOT TIN DIPPED PINS

1. CONT VOLTAGE
4. GROUND
5. OUTPUT
8. +5 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	12.362000	-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	61.843200	-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	32.788000	-52	
-13	63.488000	-33	38.880000	-53	
-14	64.000000	-34	24.576000	-54	
-15	85.536000	-35	30.000000	-55	
-16	88.688888	-36	77.780000	-56	
-17	69.249600	-37	44.736000	-57	
-18	75.000000	-38	9.538086	-58	
-19	18.432000	-39	18.728000	-59	
-20	30.000000	-40	34.368000	-60	