

DWG NO 7663
 SH 2
 REV D

- 1.0 MONITOR PART NUMBER 6720-XX
- 2.0 CLASSIFICATION OSCILLATOR, CRYSTAL, VOLTAGE CONTROL
- 3.0 ELECTRICAL CHARACTERISTICS (NOTE 1)
 - 3.1 NOMINAL FREQUENCY CHART 1
 - 3.1.1 CALIBRATION TOLERANCE ±25 PPM AT +25°C WITH VC=+2.50VDC ±0.05 VDC
 - 3.1.2 ADJUSTMENT RANGE _____
 - 3.1.2.1 ADJUSTMENT RESOLUTION _____
 - 3.1.3 STABILITY
 - 3.1.3.1 FREQUENCY vs AMBIENT ±50PPM / -40°C TO +70°C
 - 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 / 100 mSEC MAX
 - 3.1.3.4.2 LONG TERM 30 PPM MAX OVER 10 YEARS
 - 3.1.3.4.3 PHASE JITTER LESS THAN 1.0 nSEC
 - 3.1.3.4.4 WARM UP TIME 10 SEC MAX
 - 3.2 WAVE FORM HCMOS
 - 3.2.1 SYMMETRY/THD 45/55% AT +2.50 VDC
 - 3.2.2 AMPLITUDE LOGIC "0" = +0.5 V MAX / LOGIC "1" = 4.5 V MIN
 - 3.2.3 RISE/FALL TIME 4 nSEC TYP / 6 nSEC MAX
 - 3.2.4 LOAD 15pF
 - 3.3 VCXO TRANSFER CHARACTERISTICS
 - 3.3.1 TOTAL FREQUENCY CHANGE ±100 PPM MIN
 - 3.3.2 CONTROL VOLTAGE RANGE +0.50 VDC TO +4.50 VDC
 - 3.3.3 TRANSFER COEFFICIENT and SENSE POSITIVE
 - 3.3.4 LINEARITY ±20%
 - 3.3.5 MODULATION RATE/RESPONSE 10kHz MAX
 - 3.4 POWER INPUT
 - 3.4.1 OSCILLATOR VOLTAGE/CURRENT +5.00 VDC ±5% / 35mA
- 4.0 ENVIRONMENTAL
 - 4.1 AMBIENT TEMPERATURE RANGE
 - 4.1.1 OPERATING -40°C TO +70°C
 - 4.1.2 STORAGE -55°C TO +125°C
 - 4.2 VIBRATION 10-55 Hz 0.060 DA 55Hz - 2000Hz 20G's
 - 4.3 SHOCK 1000G's 0.35mSEC 1/2 SINE 3 SHOCKS EACH PLANE
 - 4.4 HUMIDITY 85% RH AT 85°C 1000 HOURS
 - 4.5 OTHER _____

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

SIZE	CAGE CODE	DWG NO	REV
A	54331	7663	D
SCALE 2/1	CAD FILE	S6720D02.A13	SHEET 2 of 4

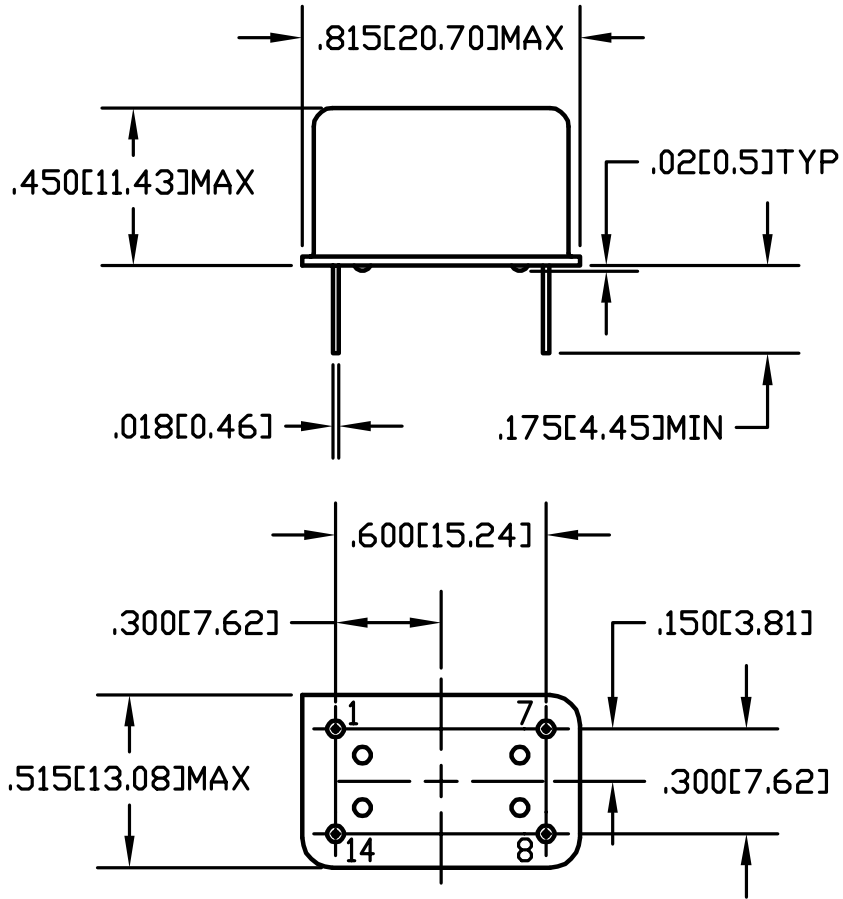
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CHART 1					
DASH NO.	FREQUENCY (MHz)	DASH NO.	FREQUENCY (MHz)	DASH NO.	FREQUENCY (MHz)
-01	10.000000	-21	24.704000	-41	
-02	12.352000	-22	64.512000	-42	
-03	14.318180	-23	20.456000	-43	
-04	16.128000	-24	24.545400	-44	
-05	20.000000	-25	27.000000	-45	
-06	24.000000	-26	29.500000	-46	
-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		-58	
-19	18.432000	-39		-59	
-20	30.000000	-40		-60	

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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



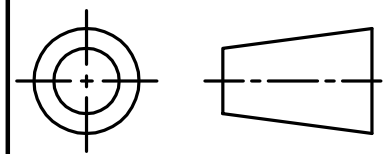
5.0 MECHANICAL

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

THIRD ANGLE PROJECTION



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