

[illegible]

- 1.0 MONITOR PART NUMBER 6723-XX
- 2.0 CLASSIFICATION OSCILLATOR, CRYSTAL, VOLTAGE CONTROL
- 3.0 ELECTRICAL CHARACTERISTICS (NOTE 1)
- 3.1 NOMINAL FREQUENCY CHART 1 SHEET 3
- 3.1.1 CALIBRATION TOLERANCE ± 30 PPM AT $+25^{\circ}\text{C}$ WITH $+2.5$ VDC ON PIN 1
- 3.1.2 ADJUSTMENT RANGE _____
- 3.1.2.1 ADJUSTMENT RESOLUTION _____
- 3.1.3 STABILITY
- 3.1.3.1 FREQUENCY vs AMBIENT ± 50 PPM / 0°C TO $+70^{\circ}\text{C}$ REF TO FREQ AT $+25^{\circ}\text{C}$ WITH $+2.5$ VDC ON PIN 1
- 3.1.3.2 FREQUENCY vs VOLTAGE ± 5 PPM
- 3.1.3.3 FREQUENCY vs LOAD ± 5 PPM
- 3.1.3.4 FREQUENCY vs TIME ± 10 PPM / FIRST YEAR
- 3.1.3.4.1 SHORT TERM _____
- 3.1.3.4.2 LONG TERM _____
- 3.1.3.4 TRACKABILITY ± 200 PPM / 0°C TO $+70^{\circ}\text{C}$ UNDER ALL CONDITIONS
- 3.2 WAVE FORM CMOS
- 3.2.1 SYMMETRY/THD $50\% \pm 10\%$
- 3.2.2 AMPLITUDE LOGIC "0" = 0.5 VDC MAX / LOGIC "1" = $+4.5$ VDC MIN
- 3.2.3 RISE/FALL TIME 10nS MAX
- 3.2.4 LOAD 15 pF
- 3.3 VCXO TRANSFER CHARACTERISTICS
- 3.3.1 TOTAL FREQUENCY CHANGE ± 200 PPM
- 3.3.2 CONTROL VOLTAGE RANGE $+0.5$ VDC TO $+4.50$ 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 $+5.00$ VDC ± 0.25 VDC
- 4.0 ENVIRONMENTAL
- 4.1 AMBIENT TEMPERATURE RANGE
- 4.1.1 OPERATING 0°C TO $+70^{\circ}\text{C}$
- 4.1.2 STORAGE -55°C TO $+125^{\circ}\text{C}$
- 4.2 VIBRATION MIL-STD-202F METH 204, 35G, 50 TO 2000 Hz
- 4.3 SHOCK MIL-STD-202F METH 213B TEST COND E, 1000G, 1/2 SINE WAVE
- 4.4 HUMIDITY 85% RH, 85°C , 48 HOURS
- 4.5 SOLDERABILITY MIL-STD-202F, METH 208

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 3.1.3.1

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

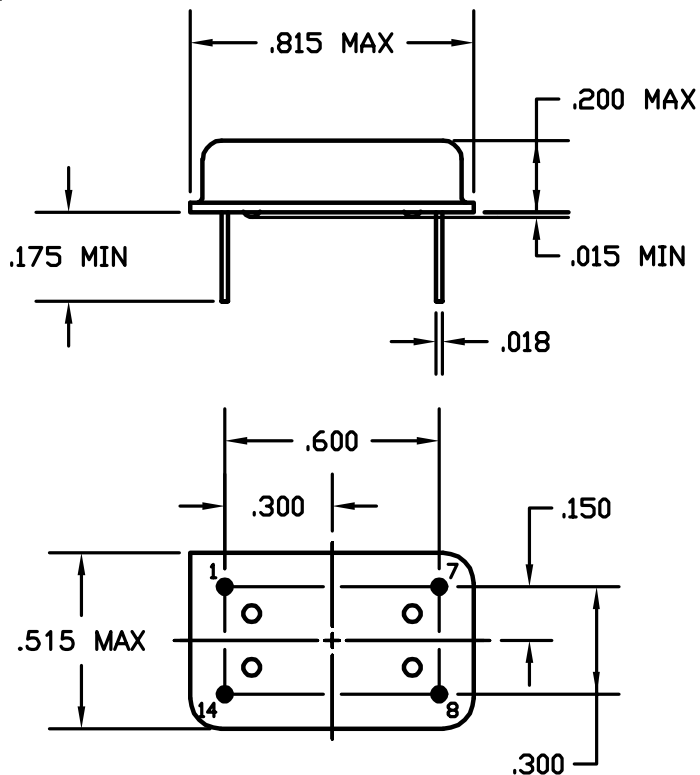
SIZE	CAGE CODE	DWG NO	REV
A	54331	7698	—
SCALE 2/1	CAD FILE	S6723012.A13	SHEET 2 of 4

CHART 1					
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	

NOTES

1. APPLICABLE STANDARDS/SPECIFICATIONS
ANSI Y14.5M-1982, DIMENSIONS AND TOLERANCES
2. PIN NUMBERS ARE FOR REFERENCE ONLY

CONVERSION TABLE	
INCH	MM
.015	.38
.018	.46
.150	3.81
.175	4.45
.200	5.08
.300	7.62
.515	13.08
.600	15.24
.815	20.70



5.0 MECHANICAL

5.1 MATERIAL/FINISH

5.1.1 BASE KOVAR/NICKEL

5.1.2 LEADS CRS/SOLDER DIP

5.1.3 CASE NICKEL PLATED STEEL

5.2 SEAL HERMETICALLY SEAL PER MID-STD-202, METHOD 112 COND C

5.3 PIN CONNECTION

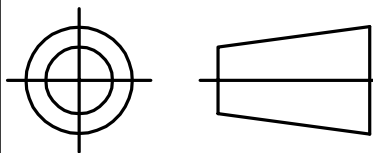
1 FREQ ADJ.

7 GROUND

8 OUTPUT

14 +5VDC

THIRD ANGLE PROJECTION



SIZE	CAGE CODE	DWG NO	REV
A	54331	7698	—
SCALE 2/1	CAD FILE S6723014.A13	SHEET	4 of 4