

DWG NO 7795
 SH 2
 REV B

- 1.0 MONITOR PART NUMBER 1265-XX
- 2.0 CLASSIFICATION OSCILLATOR, CRYSTAL, OVEN CONTROLLED
- 3.0 ELECTRICAL CHARACTERISTICS (NOTE 1)
 - 3.1 NOMINAL FREQUENCY 5.000 MHz
 - 3.1.1 CALIBRATION TOLERANCE $5 \times 10E-9$
 - 3.1.2 ADJUSTMENT RANGE ± 1 PPM TYP
 - 3.1.2.1 ADJUSTMENT RESOLUTION LESS THAN $1 \times 10E-9$
 - 3.1.3 STABILITY
 - 3.1.3.1 FREQUENCY vs AMBIENT $1265-02 = \pm 1 \times 10E-8 / 0^{\circ}C$ TO $+50^{\circ}C$
 $1265-03 = \pm 5 \times 10E-9 / 0^{\circ}C$ TO $+50^{\circ}C$
 $1265-04 = \pm 2 \times 10E-9 / 0^{\circ}C$ TO $+50^{\circ}C$
 $1265-05 = \pm 1 \times 10E-9 / 0^{\circ}C$ TO $+50^{\circ}C$
 $1265-06 = \pm 5 \times 10E-10 / 0^{\circ}C$ TO $+50^{\circ}C$
 - 3.1.3.2 FREQUENCY vs VOLTAGE $\pm 2 \times 10E-9$ PER PERCENT ON EITHER SUPPLY
 - 3.1.3.3 FREQUENCY vs LOAD $\pm 1 \times 10E-10$ MAX PER HCTTL LOAD
 - 3.1.3.4 FREQUENCY vs TIME
 - 3.1.3.4.1 SHORT TERM $\pm 3 \times 10E-10 /$ DAY
 - 3.1.3.4.2 LONG TERM $\pm 5 \times 10E-8 /$ YR
 - 3.1.3.4.3 ALLAN VARIANCE $1 \times 10E-11$ TYP FOR A 1 SECOND GATE TIME
 - 3.1.3.4.4 WARM UP TIME FREQUENCY RELATIVE TO THAT TWO HOURS AFTER TURN-ON
FOLLOWING 24 HOURS OFF TIME AT $+25^{\circ}C$
7 MINUTES: $1 \times 10E-7$
10 MINUTES: $3 \times 10E-8$
15 MINUTES: $1 \times 10E-8$
30 MINUTES: FINAL FREQUENCY TOLERANCE
- 3.2 WAVE FORM HCTTL
 - 3.2.1 SYMMETRY/THD 25-45% / 55-75%
 - 3.2.2 AMPLITUDE LOGIC "0" = .2 V MAX / LOGIC "1" = VDD-.3V MIN
 - 3.2.3 RISE/FALL TIME 15nSEC
 - 3.2.4 LOAD 10 HCMOS LOADS; 3 TTL LOADS; 10 LOW POWER SCHOTTKY TTL LOADS
- 3.3 POWER INPUT
 - 3.3.1 OSCILLATOR VOLTAGE/CURRENT COLD: $15V \pm 5\%$ AT 215mA MAX / $5V \pm 5\%$ AT 15mA
WARM: $15V \pm 5\%$ AT 110mA MAX / $5V \pm 5\%$ AT 15mA MAX
- 3.4 WARM UP INDICATOR
 - 3.4.1 COLD: 10mA SINK / .5 VDC MAX
 - 3.4.1 HOT: 4.5 VDC $\pm 10\%$ 0 TO 10mA SOURCE
- 4.0 ENVIRONMENTAL
 - 4.1 AMBIENT TEMPERATURE RANGE
 - 4.1.1 OPERATING $0^{\circ}C$ TO $+50^{\circ}C$
 - 4.1.2 STORAGE $-45^{\circ}C$ TO $+85^{\circ}C$
 - 4.2 VIBRATION MIL-STD 202, METH 201 AND 204 COND A, 5G TO 500Hz, ONE SWEEP PER AXIS
 - 4.3 SHOCK 30Gs, 11ms PER MIL-STD-202, METH 213 COND J
 - 4.4 HUMIDITY 0-RING SEAL PER MIL-O-55310
 - 4.5 OTHER _____

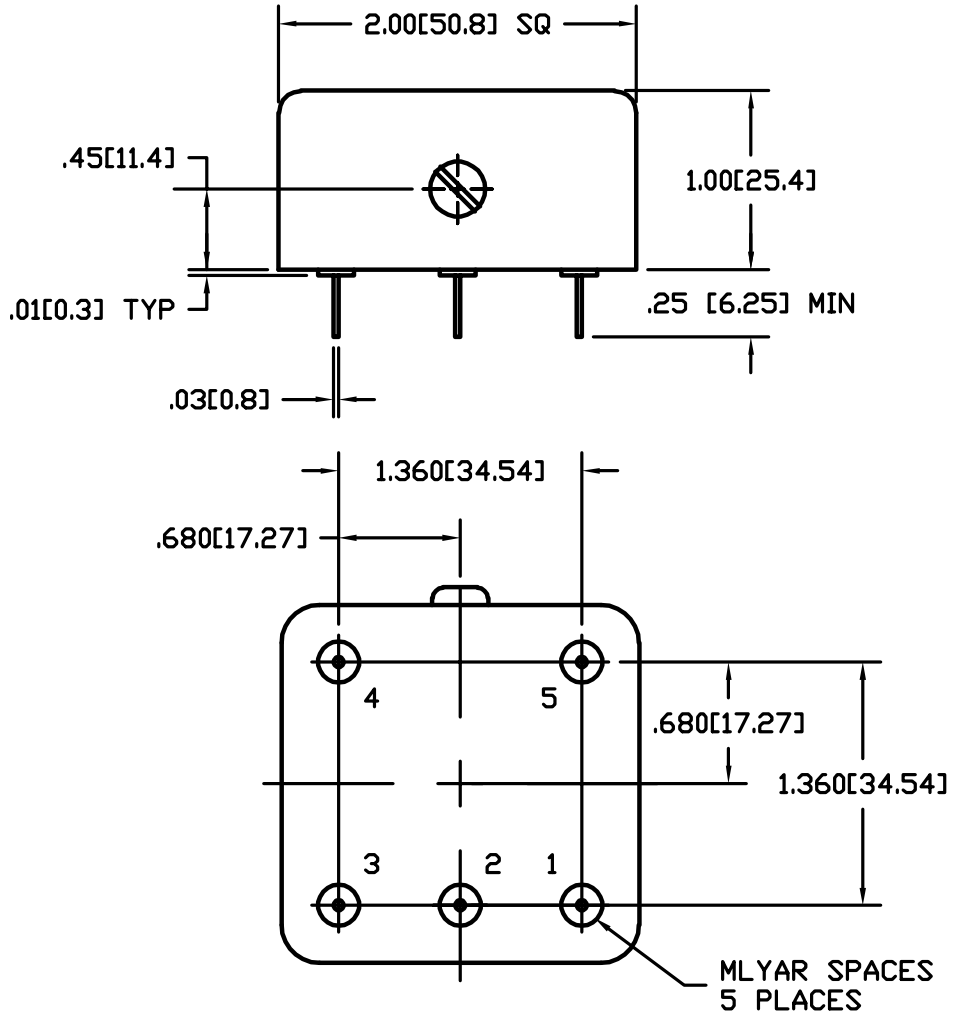
NOTE 1 - ALL PERFORMANCE FIGURES ARE MEASURED UNDER THE FOLLOWING TEST CONDITION

- A. AMBIENT TEMP. $+25^{\circ}C \pm 5^{\circ}C$ 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	7795		B
SCALE 1/1		CAD FILE S1265BX2.A14	SHEET	2 of 3

NOTES:

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

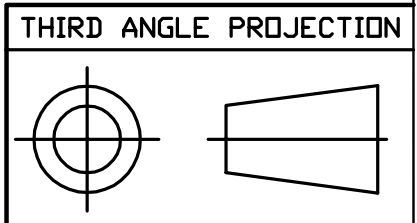


5.0 MECHANICAL

5.1 MATERIAL/FINISH CRS / BRIGHT NICKEL PER QQ-N-290 TYPE II

5.2 PIN CONNECTION

1. WARM INDICATOR
2. +5 VDC
3. RF OUTPUT
4. GROUND
5. +15 VDC



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