

REV — SH 1 DWG NO 7752	APPLICATION								REVISIONS													
	NEXT ASSY	USED ON							REV	DESCRIPTION					DATE	APPROVED						
	FINAL	1284-01																				
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> DUPLICATE DRAWING DO NOT REVISE </div>																						

REV																							
SHEET	43	44	45	46	47	48	49	50															
REV																							
SHEET	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
REV STATUS OF SHEETS	REV	-	-	-																			
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19			

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES TOLERANCES ARE FRACTIONS DECIMALS ANGLES ±1/64 .XX=±.02 ±1' .XXX=±.010	CONTRACT NO.		M PC	MONITOR PRODUCTS CO., INC.								
				OCEANSIDE, CALIFORNIA								
	APPROVALS			DATE	SPECIFICATION CONTROL, OCXO, 10.000 MHz							
	DRAWN	AWB		11/17/97								
MATERIAL	CHECKED	LB	11/17/97	SIZE	CAGE CODE	DWG NO	REV					
FINISH	ISSUED	WBA	11/17/97	A	54331	7752	—					
DO NOT SCALE DRAWING			SCALE 1/1	CAD FILE	S1284S11.A131	SHEET	1 of 3					

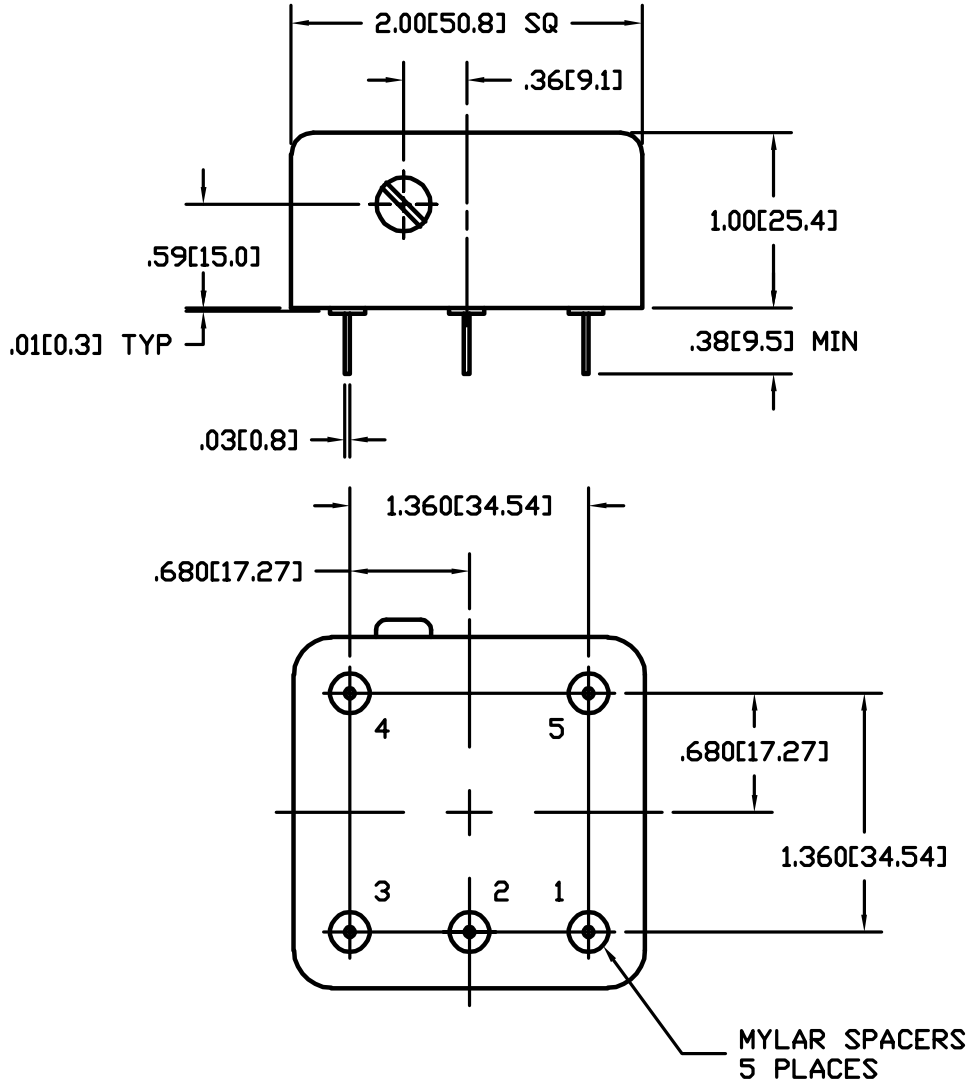
- 1.0 MONITOR PART NUMBER 1284-01
- 2.0 CLASSIFICATION OSCILLATOR, CRYSTAL, OVEN CONTROLLED
- 3.0 ELECTRICAL CHARACTERISTICS (NOTE 1)
 - 3.1 NOMINAL FREQUENCY 10.000 MHz
 - 3.1.1 CALIBRATION TOLERANCE $2 \times 10E-9$
 - 3.1.2 ADJUSTMENT RANGE ± 1 PPM TYP
 - 3.1.2.1 ADJUSTMENT RESOLUTION $< 1 \times 10E-9$
 - 3.1.3 STABILITY
 - 3.1.3.1 FREQUENCY vs AMBIENT $\pm 2 \times 10E-9$ AT TIME OF SHIPMENT
 - 3.1.3.2 FREQUENCY vs VOLTAGE $\pm 1 \times 10E-10$ MAX 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 MAX
 - 3.1.3.4.2 LONG TERM $\pm 5 \times 10E-8$ / YR MAX
 - 3.1.3.4.3 ALLAN VARIANCE $9 \times 10E-12$ TYP FOR A 1 SECOND GATE TIME
 - 3.1.3.4.4 WARM UP TIME $100 \times 10E-9$ IN 7 MIN, $10 \times 10E-9$ IN 10 MIN
 $5 \times 10E-9$ IN 20 MIN
 - 3.2 WAVE FORM HCTTL
 - 3.2.1 SYMMETRY/THD 45/55%
 - 3.2.2 AMPLITUDE LOGIC "0" = .2 V MAX, LOGIC "1" = $V_{DD} - .3V$ MIN
 - 3.2.3 RISE/FALL TIME 15nSEC
 - 3.2.4 LOAD 1 TO 10 HCMOS TTL LOADS
 - 3.3 POWER INPUT
 - 3.3.1 OSCILLATOR VOLTAGE/CURRENT COLD: $15V \pm 5%$ / 850mA MAX
 $5V \pm 10%$ / 20mA MAX
 - 3.3.2 OSCILLATOR VOLTAGE/CURRENT WARM: $15V \pm 5%$ / 250mA TYP AT 25°C
 $5V \pm 10%$ / 15mA TYP
 - 3.4 WARM UP INDICATOR
 - 3.4.1. COLD: 10 mA SINK / .5 VDC MAX
 - 3.4.2. HOT: OPEN COLLECTOR
- 4.0 ENVIRONMENTAL
 - 4.1 AMBIENT TEMPERATURE RANGE
 - 4.1.1 OPERATING 0°C TO +50°C
 - 4.1.2 STORAGE -45°C TO +85°C
 - 4.2 VIBRATION MIL-STD 202, METH 201 AND 204 COND A, 5G TO 500Hz
ONE SWEEP PER AXIS
 - 4.3 SHOCK 30G, 11ms PER MIL-STD-202, METHOD 214 CONDITION J
 - 4.4 HUMIDITY 0-RING SEAL PER MIL-D-55310
 - 4.5 OTHER _____

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

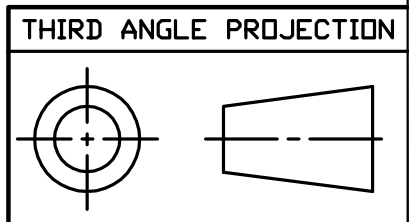
- A. AMBIENT TEMP. +25 ± 5C EXCEPT PARA 3.1.3.1.
- B. INPUT VOLTAGES: NOMINAL ±1% EXCEPT PARA 3.1.3.2.

SIZE	CAGE CODE	DWG NO	REV
A	54331	7752	-
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- 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



SIZE	CAGE CODE	DWG NO	REV
A	54331	7752	-
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