

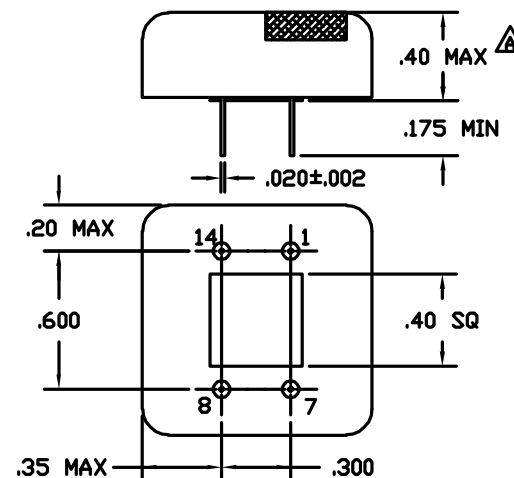
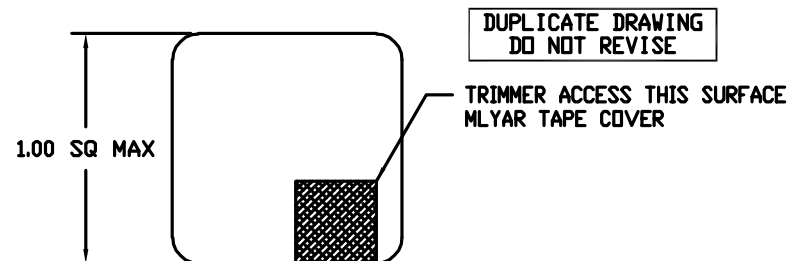
- 1.0 MONITOR PART NUMBER 7351-01
- 2.0 CLASSIFICATION OSCILLATOR, CRYSTAL, TEMPERATURE COMPENSATED
- 3.0 ELECTRICAL CHARACTERISTICS (NOTE 1)
- 3.1 NOMINAL FREQUENCY 8.192 MHz
- 3.1.1 CALIBRATION TOLERANCE ±2 PPM AT 25°C
- 3.1.2 ADJUSTMENT RANGE ±7 PPM MIN
- 3.1.2.1 ADJUSTMENT RESOLUTION 1 Hz
- 3.1.3 STABILITY
- 3.1.3.1 FREQUENCY vs AMBIENT ± 2PPM FROM +10°C TO +85°C
- 3.1.3.2 FREQUENCY vs VOLTAGE
- 3.1.3.3 FREQUENCY vs LOAD
- 3.1.3.4 FREQUENCY vs TIME 10 PPM MAX OVER 10 YEARS
- 3.1.3.4.1 SHORT TERM
- 3.1.3.4.2 LONG TERM
- 3.1.3.4.3 PHASE JITTER
- 3.1.3.4.4 WARM UP TIME
- 3.2 WAVE FORM HCMOS COMPATIBLE
- 3.2.1 SYMMETRY/TWD 45/55% AT 2.5 VDC LEVEL
- 3.2.2 AMPLITUDE LOGIC '0' = 5VDC MAX / LOGIC '1' = 4.5 VDC MAX
- 3.2.3 RISE/FALL TIME 5 nS MAX
- 3.2.4 LOAD HCMOS, 50 pF
- 3.3 VCXO TRANSFER CHARACTERISTICS
- 3.3.1 TOTAL FREQUENCY CHANGE
- 3.3.2 CONTROL VOLTAGE RANGE
- 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 VDC ±5% / 15 mA TYP, 25 mA MAX
- 3.4.2 OVEN VOLTAGE/CURRENT
- 4.0 ENVIRONMENTAL
- 4.1 AMBIENT TEMPERATURE RANGE
- 4.1.1 OPERATING -40°C TO +85°C
- 4.1.2 STORAGE -40°C TO +85°C
- 4.2 VIBRATION
- 4.3 SHOCK
- 4.4 HUMIDITY
- 4.5 OTHER
- 5.0 MECHANICAL
- 5.1 MATERIAL/FINISH
- 5.2 PIN CONNECTION
- | | | | | | | | |
|---|----|---|--------|----|--|----|--------|
| 1 | NC | 5 | | 9 | | 13 | |
| 2 | | 6 | | 10 | | 14 | +5 VDC |
| 3 | | 7 | GND | 11 | | 15 | |
| 4 | | 8 | OUTPUT | 12 | | 16 | |

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.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	HEIGHT WAS .50 MAX	3/11/96	MSA



NOTE: PIN NUMBERS ARE FOR REFERENCE ONLY

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE
FRACTIONS DECIMALS ANGLES
32/64 .001 .010 .010

CONTRACT NO.		MONITOR PRODUCTS CO., INC. OCEANSIDE, CALIFORNIA			
APPROVALS		DATE		SPECIFICATION CONTROL	
DRAWN AWB		4/21/95		SIZE GAGE NO DWG NO	
CHECK LB		4/21/95		B 54331 14990	
ISSUE MSA		4/21/95		REV A	
SCALE: 2/1		CAB FILE SP7351A1ACD		SHEET 1 of 1	

MATERIAL		FINISH	
FINAL 7351-01		DO NOT SCALE DRAWING	
NEXT ASSY USED ON			
APPLICATION			

14990

A