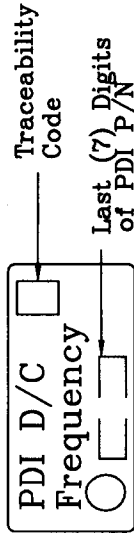


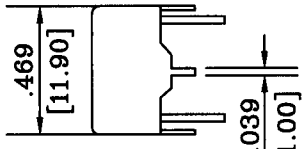
| DATE SYM | REVISION RECORD | AUTH. | DR. CK. |
|----------|----------------------------|-------|---------|
| 5/02 A | Revised Can Height to .340 | | 1081 |
| 12/02 B | Revised Can Height to .194 | | 1015 |
| 2/03 C | Revised Lead Length | | 1016 |
| | | | |
| | | | |

ELECTRICAL SPECIFICATIONS:

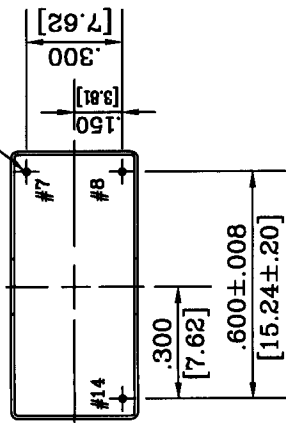
- Center Frequency: 21.600000 Mhz
- Output: 1Vp-p min. Clipped Sinewave (DC Cut)
- Frequency Tolerance: $\pm 2.5\text{ppm}$
- Operating Temperature Range: -40°C to $+85^{\circ}\text{C}$
- Frequency Stability vs. Supply Voltage: $\pm 0.3\text{ppm}$
- Storage Cycle Range: -40°C to $+85^{\circ}\text{C}$
- Supply Voltage: $+5.0\text{Vdc} \pm 0.5\text{Vdc}$
- Supply Current: 2.0mA Max.
- Frequency Adjustment: $\pm 3.0\text{ppm}$ Min. by Internal Trimmer
- Frequency Stability:
 - vs. Temperature: $\pm 2.5\text{ppm}/-30^{\circ}\text{C}$ to $+75^{\circ}\text{C}$
 - vs. Supply Voltage: $\pm 0.3\text{ppm}/+5.0\text{V} \pm 5\%$
 - vs. Aging: $\pm 1.0\text{ppm}/\text{year}$



$4.93 \pm .35$
 $1.94 \pm .014$



$.728 \text{ Max.}$
 $[18.50 \text{ Max.}]$
 $.020 \phi \pm .002$ (3 Pls.) [1.00]
 $[.50 \phi \pm 0.05$ (3 pls.)]



| | | |
|------------------------------|--|--|
| TOLERANCES (EXCEPT AS NOTED) | PRECISION DEVICES INC. | |
| DECIMAL +/- | Tolerance: Decimal: $\pm .008$ Metric: $\pm .20$ | SCALE N.T.S. |
| FRACTIONAL +/- | TITLE | DRAWN BY <i>D. H. Day</i> APPROVED BY <i>DH</i> |
| ANGULAR +/- | Temperature Compensated Crystal Oscillator | |
| | DATE | DRAWING NUMBER |
| | 2/25/03 | TC2421600XWNDXX (FKA 17216) |

| PIN | CONNECTION |
|-----|------------|
| 7 | Grd |
| 8 | Output |
| 14 | B+ |