


**CUI INC**
**date** 02/2010

**page** 1 of 2

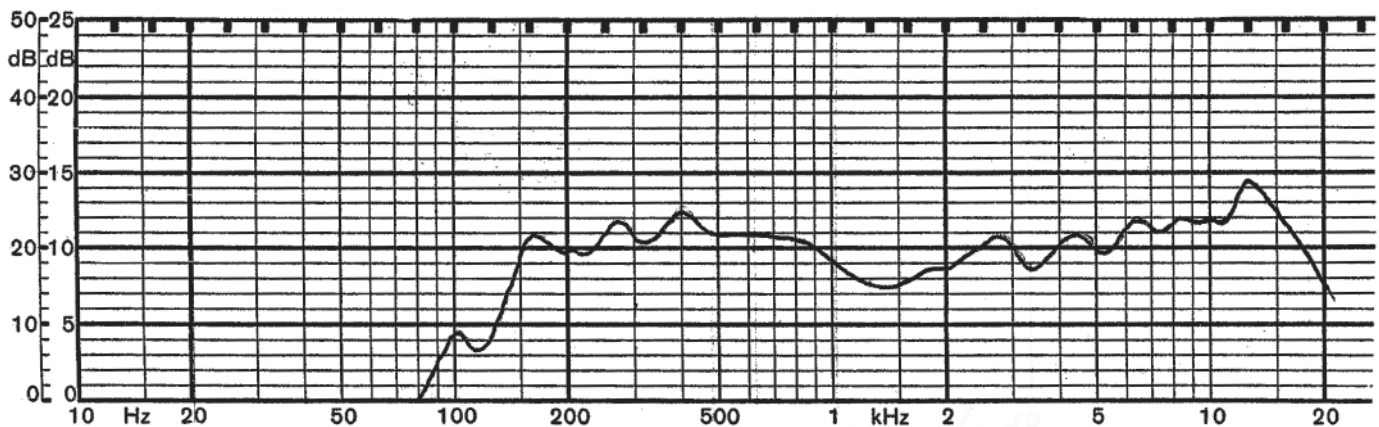
**PART NUMBER: CMS0361KLX**
**DESCRIPTION: SPEAKER**

## SPECIFICATIONS

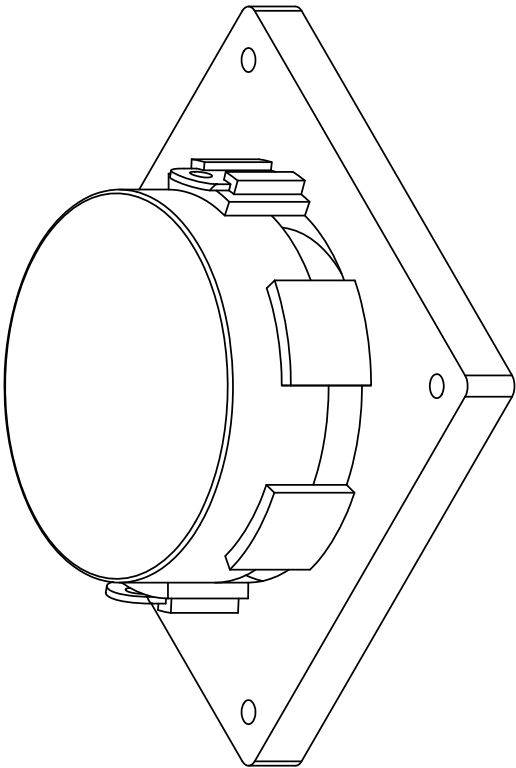
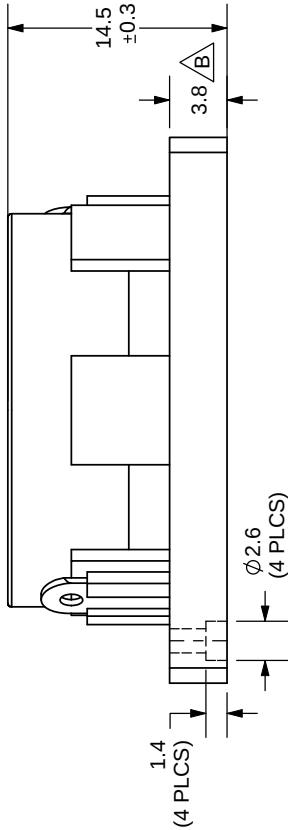
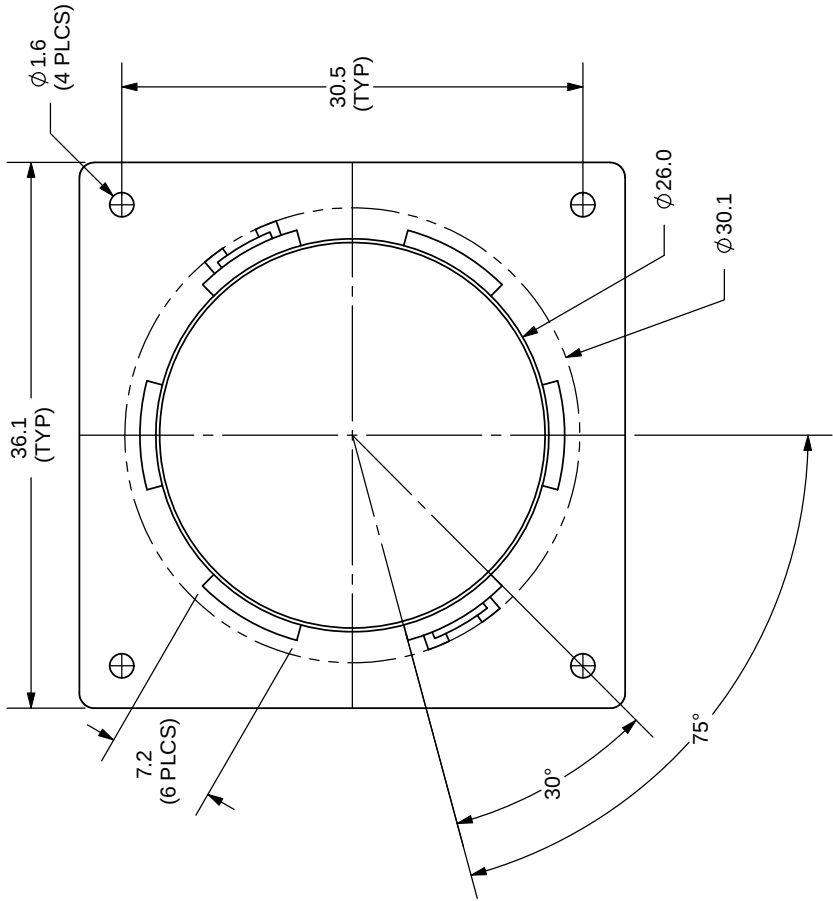
| parameter            | conditions/description                     | min | nom | max    | units              |
|----------------------|--------------------------------------------|-----|-----|--------|--------------------|
| nominal size         | 36 x 36 x 14.5H mm                         |     |     |        |                    |
| impedance            | at 1 kHz, 1 V                              | 6.8 | 8   | 9.2    | $\Omega$           |
| resonant frequency   | at 1 V                                     | 184 | 230 | 276    | Hz                 |
| sound pressure level | 1 W, 50 cm ave., at 0.3, 0.4, 0.5, 0.6 kHz | 79  | 82  | 85     | dB                 |
| response             | 10 dB max.                                 | Fo  |     | 20,000 | Hz                 |
| input power          |                                            |     | 2   | 4      | W                  |
| operation            | must be normal at program source           |     | 2   |        | W                  |
| buzz, rattle, etc.   | must be normal at sine wave                |     | 4   |        | V dc               |
| magnet               | size: 18.7 x 4 mm                          |     |     |        |                    |
| load test            | 24 hours of white noise at                 |     | 2   |        | W                  |
| heat test            | 20 ~ 50% RH for 24 hours                   | 63  | 65  | 67     | $^{\circ}\text{C}$ |
| humidity test        | 90 ~ 95% RH for 24 hours                   | 38  | 40  | 42     | $^{\circ}\text{C}$ |
| RoHS                 | yes                                        |     |     |        |                    |

## FREQUENCY RESPONSE CURVE

| parameter             | conditions/description |
|-----------------------|------------------------|
| potentiometer range   | 50 dB                  |
| rectifier             | RMS                    |
| lower limit frequency | 20 Hz                  |
| wr. speed             | 100 mm/sec             |
| zero level            | 60 dB                  |



| REV. | DESCRIPTION                                | DATE      |
|------|--------------------------------------------|-----------|
| A    | NEW DRAWING                                | 7/25/2007 |
| B    | base thickness changed from 3.0mm to 3.8mm | 5/6/2008  |



TOLERANCE:  
±0.2mm UNLESS OTHERWISE  
SPECIFIED



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|                                  |                    |
|----------------------------------|--------------------|
| TITLE: MINIATURE MONITOR SPEAKER | REV: B             |
| PART NO: CMS0361KLX              | UNITS: MM [INCHES] |
| DRAWN BY: ZRJ                    | APPROVED BY:       |
|                                  | SCALE: 2:1         |