



Part No: CLS0401MAE

Description: speaker

Date: 7/03/2007

Unit: mm

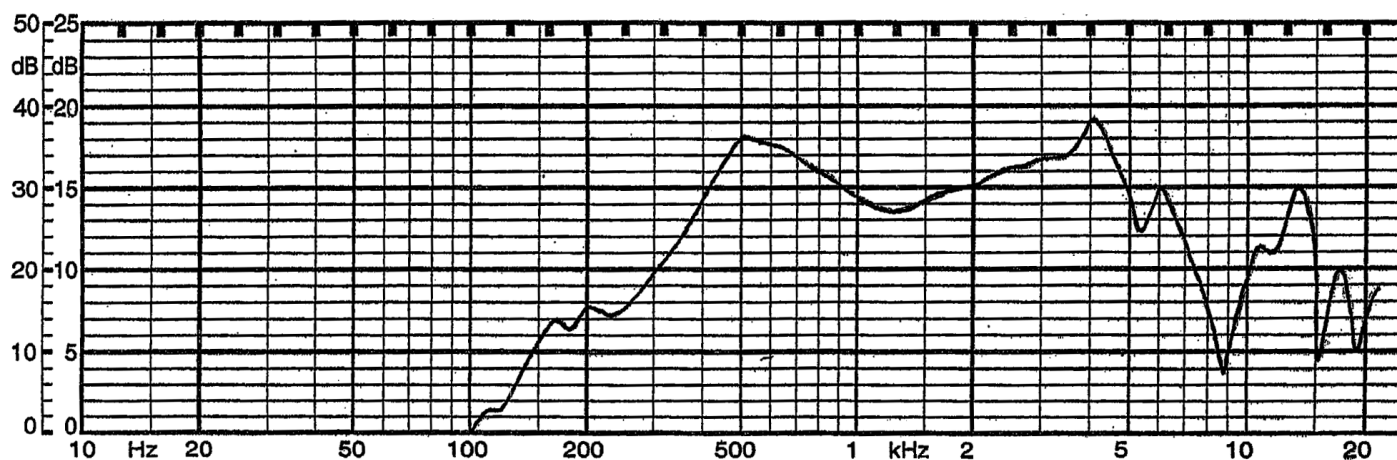
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## Specifications

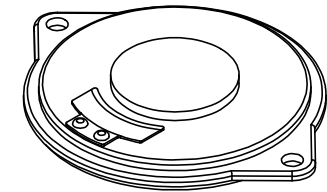
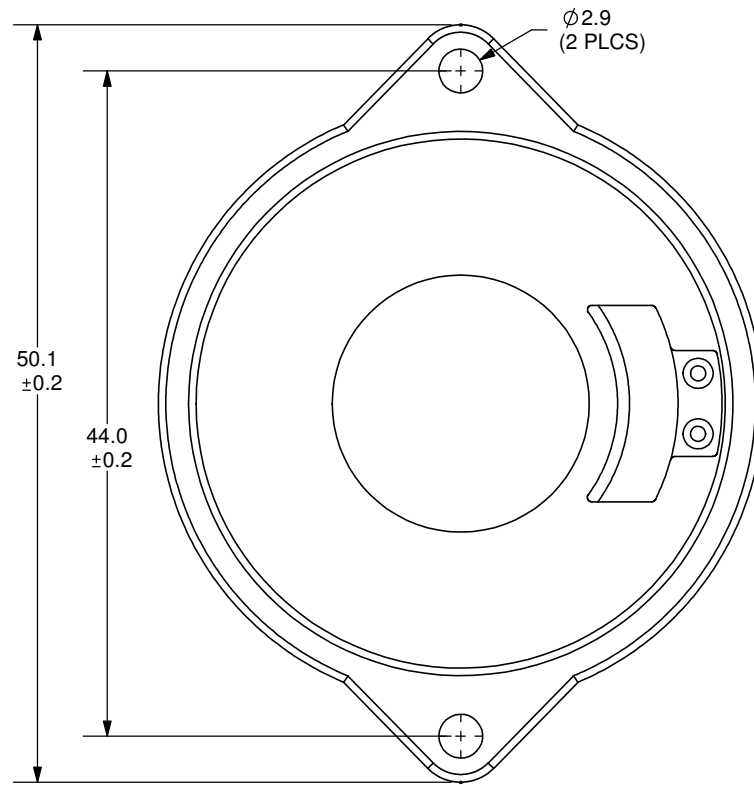
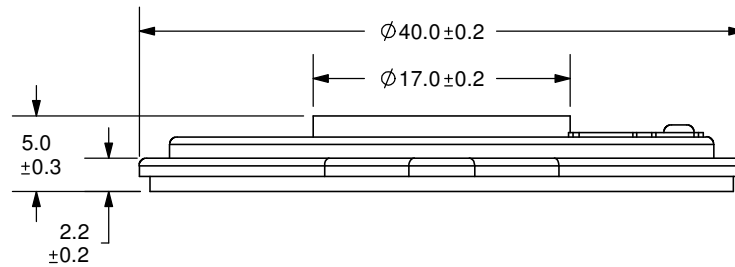
|                      |                                                         |                   |           |
|----------------------|---------------------------------------------------------|-------------------|-----------|
| Nominal Size         | 40 mm                                                   |                   |           |
| Impedance            | 4 Ohm ± 15%                                             | at                | 1 KHz 1 V |
| Resonant frequency   | 500 Hz ± 100 Hz                                         | at                | 1 V       |
| Sound pressure level | 91 dB/w ± 3 dB 1 w 50 cm ave at 0.6K, 0.8K, 1K, 1.2K Hz |                   |           |
| Response             | Fo Hz ~ 7 KHz max 10 dB                                 |                   |           |
| Input power          | Nominal 1 W                                             | Handling capacity | 2 W       |
| Operation            | must be normal at program source 1 W                    |                   |           |
| Buzz, rattle, etc.   | must be normal at sine wave 2 V                         |                   |           |
| Magnet               | Size: 12.5 x 1.5 mm                                     |                   |           |
| Load test            | White noise 1 W                                         | for               | 24 hours  |
| Heat test            | 60 ± 2° C                                               | 20-50% R.H.       | 24 hours  |
| Humidity test        | 40 ± 2° C                                               | 90-95% R.H.       | 24 hours  |

## Frequency Response Curve

|                       |            |
|-----------------------|------------|
| 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 | 7/3/2007 |



SCALE 1:1

TOLERANCE:  
 $\pm 0.5\text{mm}$  UNLESS OTHERWISE  
SPECIFIED

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|                            |                    |            |
|----------------------------|--------------------|------------|
| TITLE: LOW PROFILE SPEAKER |                    | REV: A     |
| PART NO. CLS0401MAE        | UNITS: MM [INCHES] |            |
| DRAWN BY: ZRJ              | APPROVED BY:       | SCALE: 2:1 |