



**MODEL:** GF0506 | **DESCRIPTION:** SPEAKER

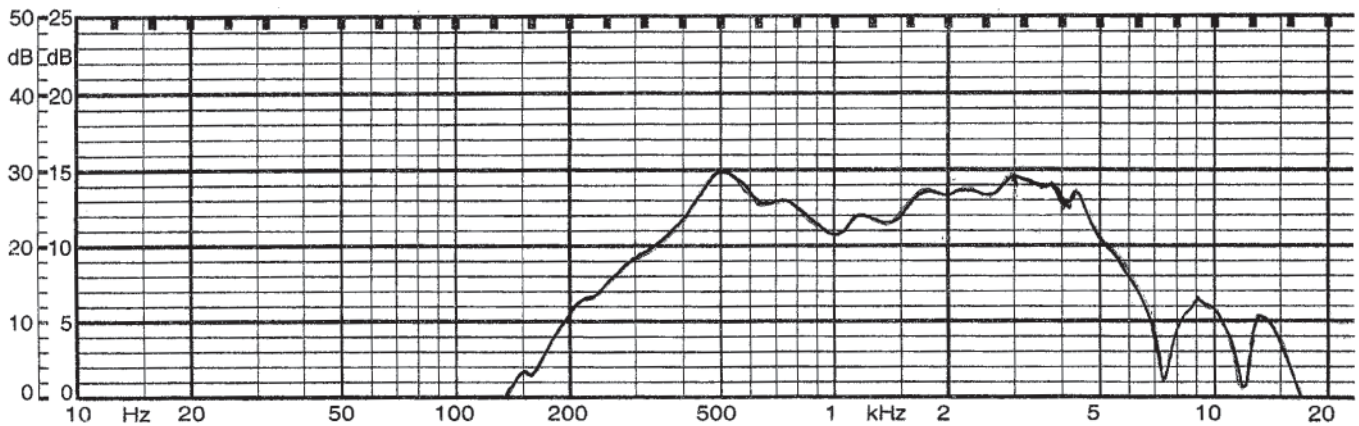


**SPECIFICATIONS**

| parameter            | conditions/description                    | min | typ  | max   | units        |
|----------------------|---|-----|------|-------|--------------|
| nominal size         | 50  |     |      |       | mm           |
| impedance            | at 0.8 kHz, 1 V                           | 6.8 | 8    | 9.2   | $\Omega$     |
| resonant frequency   | at 1 V                                    | 344 | 430  | 516   | Hz           |
| sound pressure level | 0.25 W, 50 cm ave., at 1, 1.4, 1.7, 2 kHz | 79  | 82   | 85    | dB           |
| response             | 10 dB max.                                | Fo  |      | 7,200 | Hz           |
| input power          |   |     | 0.25 | 0.5   | W            |
| operation            | must be normal at program source          |     | 0.25 |       | W            |
| buzz, rattle, etc.   | must be normal at sine wave               |     | 1.41 |       | Vdc          |
| magnet               | size: 32 x 18 x 6 mm                      |     |      |       |              |
| load test            | 24 hours of white noise at                |     | 0.25 |       | W            |
| heat test            | 20 ~ 50% RH for 24 hours                  | 68  | 70   | 72    | $^{\circ}$ C |
| humidity test        | 90 ~ 95% RH for 24 hours                  | 38  | 40   | 42    | $^{\circ}$ C |
| RoHS                 | yes                                       |     |      |       |              |

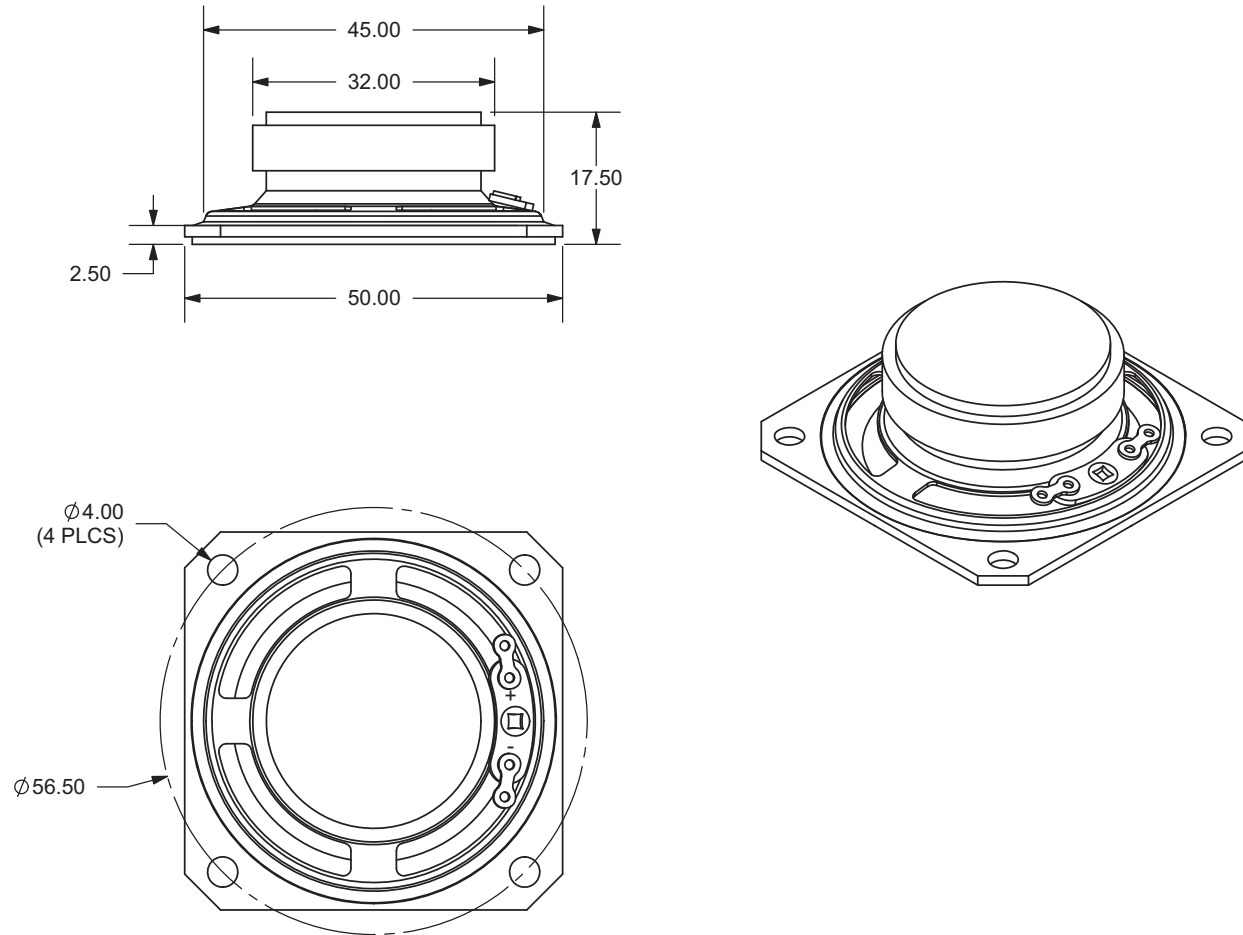
**FREQUENCY RESPONSE CURVE**

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



## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm



## REVISION HISTORY

| rev. | description  | date       |
|------|--|------------|
| 1.0  | initial release  | 03/04/2009 |
| 1.01 | new template applied, height changed from 18 to 17.5 mm, resonant frequency, and SPL changed | 07/03/2012 |

The revision history provided is for informational purposes only and is believed to be accurate.



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