

**MODEL:** GF0501M | **DESCRIPTION:** SPEAKER**FEATURES**

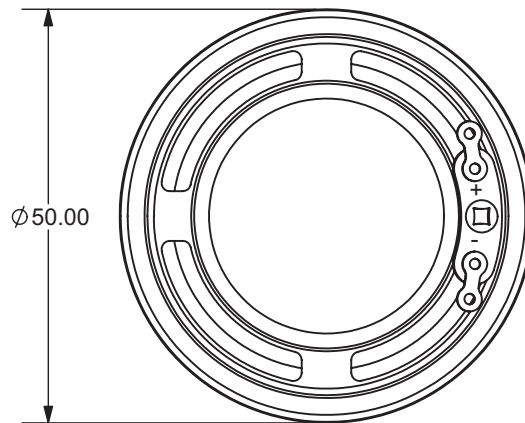
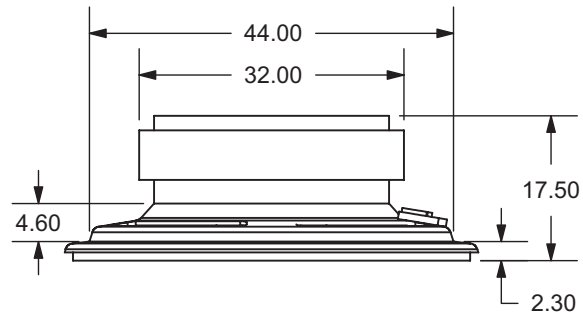
- 50 mm
- round frame
- 0.25 W
- 8  $\Omega$
- ferrite magnet
- PET cone

**SPECIFICATIONS**

| parameter               | conditions/description                          | min | typ  | max   | units              |
|-------------------------|---|-----|------|-------|--------------------|
| input power             |   |     | 0.25 | 0.5   | W                  |
| impedance               | at 0.8 kHz, 1.0 V                               | 6.8 | 8    | 9.2   | $\Omega$           |
| resonant frequency (Fo) | at 1.0 V  | 440 | 550  | 660   | Hz                 |
| frequency response      |   | Fo  |      | 5,800 | Hz                 |
| sound pressure level    | at 0.25 W, 50 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz | 83  | 86   | 89    | dB                 |
| buzz, rattle, etc.      | must be normal at sine wave                     |     |      | 1.41  | V                  |
| dimensions              | $\varnothing 50 \times 17.5$                    |     |      |       | mm                 |
| magnet                  | ferrite   |     |      |       |                    |
| cone material           | PET   |     |      |       |                    |
| terminal                | solder eyelets                                  |     |      |       |                    |
| weight                  |   |     | 52.0 |       | g                  |
| operating temperature   |   | -25 |      | 60    | $^{\circ}\text{C}$ |
| hand soldering          | for maximum 3 seconds                           | 360 | 380  | 400   | $^{\circ}\text{C}$ |
| RoHS                    | yes   |     |      |       |                    |

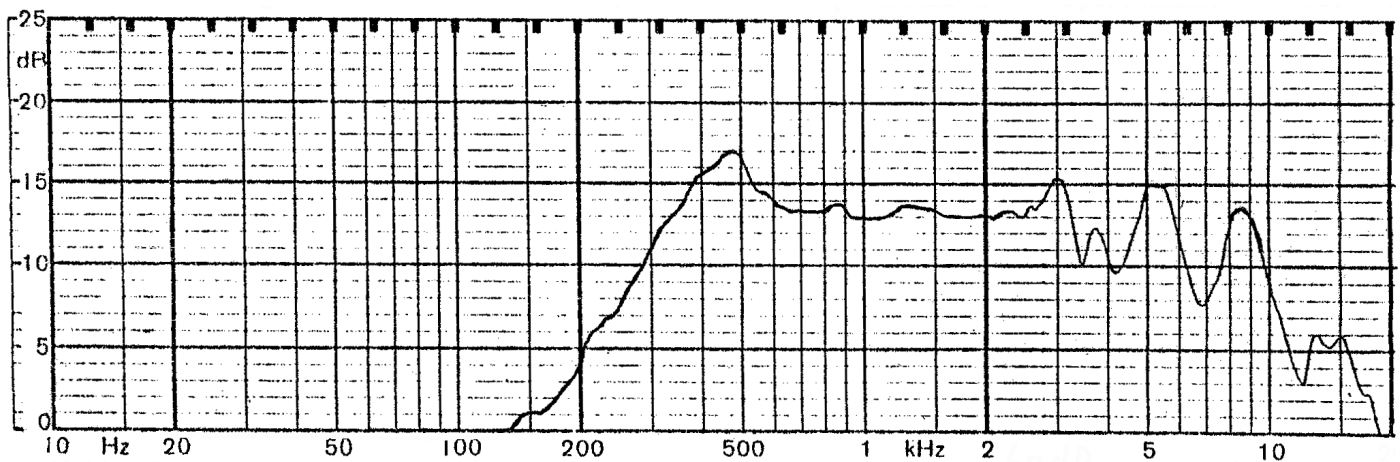
## MECHANICAL DRAWING

units: mm  
tolerance: ±0.8 mm



## 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                  |



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 09/27/2006 |
| 1.01 | brand update                 | 03/20/2020 |
| 1.02 | logo, datasheet style update | 08/05/2022 |

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



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