



**MODEL:** GC0351K | **DESCRIPTION:** SPEAKER

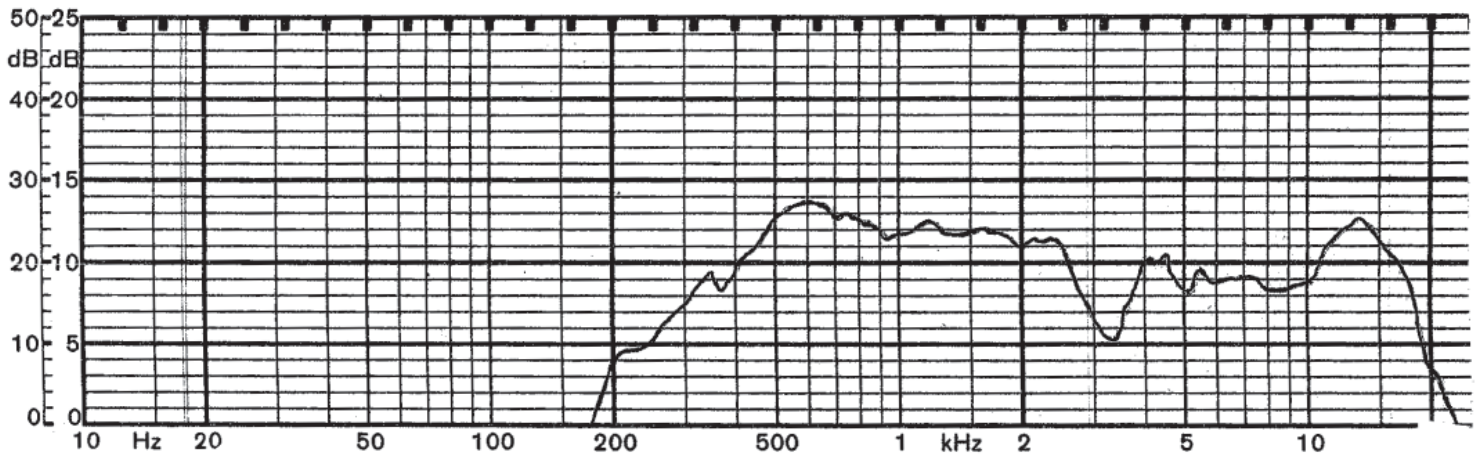


**SPECIFICATIONS**

| parameter            | conditions/description                   | min | typ | max    | units        |
|----------------------|--|-----|-----|--------|--------------|
| nominal size         | 20 x 35                                  |     |     |        | mm           |
| impedance            | at 1.5 kHz, 2.9 V                        | 6.8 | 8   | 9.2    | $\Omega$     |
| resonant frequency   | at 1 V                                   | 440 | 550 | 660    | Hz           |
| sound pressure level | 1 W, 50 cm ave., at 0.6, 0.8, 1, 1.2 kHz | 82  | 85  | 88     | dB           |
| response             | 10 dB max.                               | Fo  |     | 11,000 | Hz           |
| input power          |  |     | 1   | 1.5    | W            |
| operation            | must be normal at program source         |     | 1   |        | W            |
| buzz, rattle, etc.   | must be normal at sine wave              |     | 2.9 |        | Vdc          |
| magnet               | size: 11 x 1.5 mm                        |     |     |        |              |
| load test            | 24 hours of white noise at               |     | 1   |        | W            |
| heat test            | 20 ~ 50% RH for 24 hours                 | 63  | 65  | 67     | $^{\circ}$ C |
| humidity test        | 90 ~ 95% RH for 24 hours                 | 38  | 40  | 42     | $^{\circ}$ C |
| RoHS                 | yes                                      |     |     |        |              |

**FREQUENCY RESPONSE CURVE**

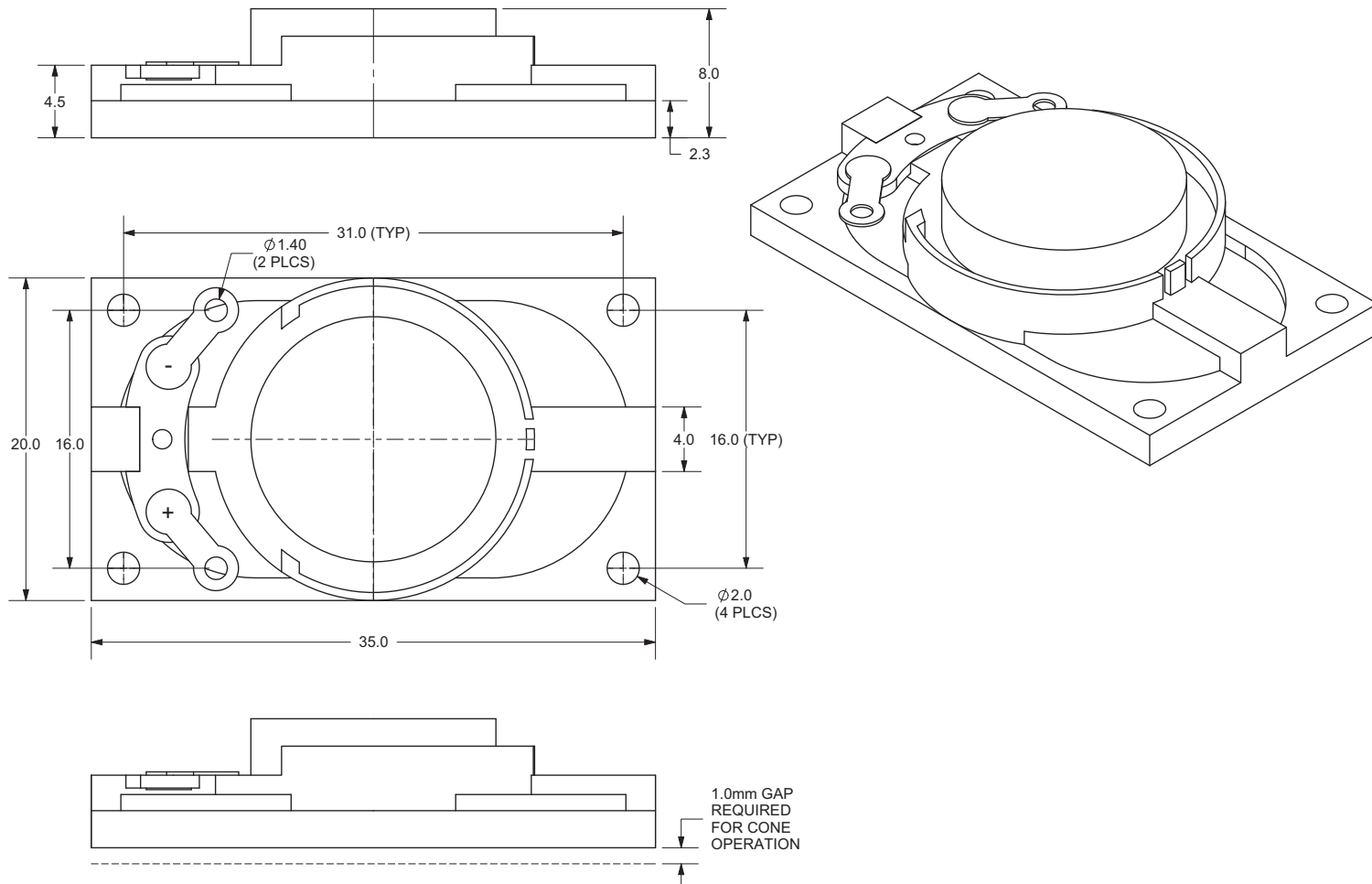
| parameter             | conditions/description |
|-----------------------|------------------------|
| potentiometer range   | 50 dB                  |
| rectifier             | RMS                    |
| lower limit frequency | 20 Hz                  |
| wr. speed             | 100 mm/sec         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



## MECHANICAL DRAWING

units: mm

tolerance:  $\pm 0.5$ mm unless otherwise specified



## REVISION HISTORY

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| rev. | description   | date       |
|------|---|------------|
| 1.0  | initial release                                     | 12/21/2009 |
| 1.01 | updated template                                    | 03/03/2010 |
| 1.02 | new template applied, updated solder tab dimensions | 09/12/2012 |

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



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