

The 28RN08M-1 is a specialty speaker for outdoor or indoor applications. This speaker was designed for high-performance, clear speech. The single-piece mylar cone makes a great water and dust barrier for IP 65 applications. Ideal for small, very thin, handheld communication devices for outdoor use. It also performs well for reproducing alarm tones for medical equipment such as ventilators.

- Voice range speaker
- 1 inch (28 mm) steel basket diameter
- 5 watts, 8 ohm, 80 dB SPL
- 0.5 inch copper voice coil, paper former
- Neodymium magnet, mylar cone
- RoHS compliant



### Primary Specifications

|  |             |
|--|-------------|
| <b>Size, Nominal (inch &amp; mm)</b>         | 1" (25 mm)  |
| <b>Rated Impedance (<math>\Omega</math>)</b> | 8           |
| <b>Sensitivity (dB SPL) <sup>1</sup></b>     | 86          |
| <b>Frequency Range (Hz)</b>                  | 650 - 6,000 |
| <b>Resonant Frequency (Fs) (Hz) +/- 15%</b>  | 650         |

### More Specifications

|   |   |
|---|---|
| <b>Application</b>                              | Indoor, Medical, Outdoor , Signal / Alarm Systems, Voice Communications |
| <b>RoHS Compliant</b>                           | Yes   |
| <b>DC Resistance (Re) (<math>\Omega</math>)</b> | 8   |
| <b>Program Power (W)</b>                        | 0.5   |

### Small Signal Parameters

|  |     |
|--|-----|
| <b>Nominal Impedance (Z) (<math>\Omega</math>)</b> | 8   |
| <b>DC Resistance (Re) (<math>\Omega</math>)</b>    | 8   |
| <b>Resonant Frequency (Fs) (Hz) +/- 15%</b>        | 650 |

### Material Descriptions

|                                   |               |
|-----------------------------------|---------------|
| <b>Basket Type</b>                | Stamped steel |
| <b>Terminal Size (mm)</b>         | Solder Tabs   |
| <b>Voice Coil Wire Material</b>   | Copper        |
| <b>Voice Coil Former Material</b> | Paper         |
| <b>Magnet Material</b>            | Ferrite       |
| <b>Cone Body Material</b>         | Mylar         |
| <b>Cone Surround Material</b>     | Mylar         |
| <b>Net Weight (kg)</b>            | 0.07          |

