1.5 INCH (40 MM), 8 OHM VOICE RANGE SPEAKER

PART #: 40RN08M-1

This is a super thin specialty application speaker for use in either outdoor or indoor applications. This speaker was designed for high-performance, clear speech. The single-piece polyester cone makes a great water and dust barrier for IP 65 applications. Ideal for small, very thin, hand held communication devices for outdoor use. It also performs well for reproducing alarm tones for medical or point-of-sale equipment.

- Voice range speaker
- 1.5" (40 mm) diameter
- 1 watt, 8 ohms, 81 dB SPL
- 0.6" copper voice coil, paper former
- Neodymium magnet, stamped steel frame
- Polyester cone, PET surround

Primary Specifications

Size, Nominal (inch & mm)	1" (25 mm)
Rated Impedance (Ω)	8
Sensitivity (dB SPL) [1]	81
Frequency Range (Hz)	350 - 6, 000
Resonant Frequency (Fs) (Hz) +/- 15%	660

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More Specifications

Application	Medical, Military, Signal / Alarm Systems, Voice Communications
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	7.6
Program Power (W)	2

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	7.6
Voice Coil Inductance (Le) (mH)	0
Resonant Frequency (Fs) (Hz) +/- 15%	660
Mechanical Q Factor (Qms)	3.7
Electrical Q Factor (Qes)	9.66
Total Q Factor (Qts)	2.68

Material Descriptions

Basket Type	Zinc plated stamped steel
Terminal Size (mm)	Solder pads
Voice Coil Diameter (mm)	15.2
Voice Coil Wire Material	Copper
Voice Coil Former Material	Paper
Magnet Material	Neodymium
Magnet Weight (g)	3.0
Cone Body Material	Polyester
Cone Surround Material	Single piece of polyester film
Dust Cap Material	Incorporated in cone