3.5 INCH (89 MM) 8 OHM, WIDE RANGE SPEAKER

PART #: EN32R-8A

A wide-range speaker functions as both a lightweight voice-com solution as well as a radio replacement speaker for automobiles and airplanes alike. This 3.5 in. driver includes a robust steel frame treated with zinc plating for increased corrosion resistance, a powerful 0.4 Oz neodymium magnet, a high-efficiency polyether foam surround, and a set of raised external mounting slots for easy installation within shallow enclosures.

- Wide range speaker
- 3.5 in. (89 mm) steel basket diameter
- 10 watts, 8 ohm, 92 dB SPL
- 0.75 in. copper voice coil, aluminum former
- 0.4 Oz neodymium magnet
- Paper cone, polyether foam surround



Primary Specifications

Size, Nominal (inch & mm)	3" (77 mm)
Rated Impedance (Ω)	8
Sensitivity (dB SPL) [1]	88
Frequency Range (Hz)	100 - 13, 000
Resonant Frequency (Fs) (Hz) +/- 15%	100

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More Specifications

Application	Auto / Motorcycle, Indoor, Voice Communications
RoHS Compliant	No
Program Power (W)	20

Small Signal Parameters

Resonant Frequency (Fs) (Hz) +/- 15%	100
Mechanical Q Factor (Qms)	3.4
Electrical Q Factor (Qes)	1.22
Total Q Factor (Qts)	0.9

Material Descriptions

Basket Type	Stamped steel with zinc plating
Terminal Size (mm)	5.2 x 0.5
Voice Coil Diameter (mm)	19
Voice Coil Wire Material	Copper
Voice Coil Former Material	Aluminum
Magnet Material	Neodymium
Magnet Weight (g)	11.6
Cone Body Material	Paper
Cone Surround Material	Polyether foam
Dust Cap Material	Paper
Net Weight (kg)	0.095



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