1.2 INCH (31 MM) 12 OHM, WIDE RANGE SPEAKER

PART #: 31RN12-3

This bottle-cap sized driver makes wide range sound in compact enclosures. Its size and weight are ideal for speaker phones and smart devices. A black, anodized aluminum cone creates clear sound without extra ringing. Increase your device's electrical signal by wiring this speaker in a parallel set of three to decrease its electrical impedance to 4 ohms. This speaker puts powerful and versatile sound into the palm of your hand.

- Wide range speaker
- 1.2" (31 mm) basket diameter
- 1 watt, 12 ohms, 78 dB SPL
- 0.7" copper voice coil, paper former
- Neodymium magnet, stamped steel basket
- Anodized aluminum cone, polyether foam surround



Primary Specifications

Size, Nominal (inch & mm)	1" (25 mm)
Rated Impedance (Ω)	12
Sensitivity (dB SPL) [1]	78
Frequency Range (Hz)	250 - 20, 000
Resonant Frequency (Fs) (Hz) +/- 15%	250

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More Specifications

Application	Indoor, Smart Device
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	12.1
Program Power (W)	2

Small Signal Parameters

DC Resistance (Re) (Ω)	12.1
Resonant Frequency (Fs) (Hz) +/- 15%	250
Mechanical Q Factor (Qms)	4.7
Electrical Q Factor (Qes)	0.85
Total Q Factor (Qts)	0.74

Material Descriptions

Basket Type	Stamped Steel with Zinc Plating
Terminal Size (mm)	3.6 x 0.5
Voice Coil Diameter (mm)	17.8
Voice Coil Wire Material	Copper
Voice Coil Former Material	Paper
Magnet Material	Neodymium
Magnet Weight (g)	8.22
Cone Body Material	Black anodized aluminum
Cone Surround Material	Polyether foam
Dust Cap Material	Aluminum
Net Weight (kg)	0.03





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