

The OK8 is a commercial extended range, 8" speaker made for paging systems, voice communications, and background music applications. Increase your sound system's high frequency dispersion with this driver's whizzer cone attached directly to the voice coil.

- Extended range speaker with whizzer
- 8" (203 mm) steel basket diameter
- 15 watts, 8 ohm, 90 dB SPL
- 1" copper voice coil, aluminum former
- Paper cone and whizzer, ferrite magnet



#### Primary Specifications

<b>Size, Nominal (inch &amp; mm)</b>	8" (203 mm)
<b>Rated Impedance (<math>\Omega</math>)</b>	8
<b>Continuous Power (W)</b>	15
<b>Sensitivity (dB SPL) <sup>1</sup></b>	90
<b>Frequency Range (Hz)</b>	40 - 18,000
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	90

### More Specifications

<b>Application</b>	Commercial, Indoor, Voice Communications
<b>RoHS Compliant</b>	No
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	7.3
<b>Program Power (W)</b>	30
<b>Continuous Power (W)</b>	15

### Small Signal Parameters

<b>Nominal Impedance (Z) (<math>\Omega</math>)</b>	8
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	7.3
<b>Voice Coil Inductance (Le) (mH)</b>	0.27
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	90
<b>Mechanical Q Factor (Qms)</b>	9.28
<b>Electrical Q Factor (Qes)</b>	0.87
<b>Total Q Factor (Qts)</b>	0.79
<b>Moving Mass (Mms) (gm)</b>	7.53
<b>Suspension Compliance (Cms) (mm/N)</b>	0.39
<b>Mechanical Resistance (Rms) (kg/s)</b>	0.47
<b>Surface Area of Diaphragm (Sd) (cm<sup>2</sup>)</b>	219.0
<b>Compliance Equivalent Volume (Vas) (L)</b>	15.5
<b>Maximum Linear Excursion (Xmax) (mm)</b>	1.1
<b>Motor Force Factor (BL) (T•M)</b>	6.08
<b>Efficiency (<math>\eta_0</math>) (%)</b>	2.6
<b>Efficiency Bandwidth Product (EBP) (Fs/Qes)</b>	103.45

### Material Descriptions

<b>Basket Type</b>	Stamped steel
<b>Terminal Size (mm)</b>	4.8 x 0.5
<b>Voice Coil Diameter (mm)</b>	25.4
<b>Voice Coil Wire Material</b>	Copper
<b>Voice Coil Former Material</b>	Aluminum
<b>Magnet Material</b>	Ferrite
<b>Magnet Weight (g)</b>	283.5
<b>Cone Body Material</b>	Paper composite
<b>Spider Material</b>	Cotton
<b>Dust Cap Material</b>	Paper whizzer

**Net Weight (kg)** 0.9

