

## MODEL #: OK8-T78 8 INCH (203 MM), 8 OHM WHIZZER SPEAKER WITH

8 WATT TRANSFORMER PART #: 93131

The OK8-T78 is a commercial extended range speaker with an attached 8 watt transformer 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.

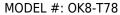
- Extended range speaker with whizzer
- 8" (203 mm) steel basket diameter
- 15 watts, 8 ohm, 90 dB SPL
- 8 watt, 70 volt transformer
- 1" copper voice coil, aluminum former
- Paper cone and whizzer, ferrite magnet



#### **Primary Specifications**

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







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#### **More Specifications**

Application	Commercial, Indoor, Voice Communications
RoHS Compliant	No
DC Resistance (Re) ( $\Omega$ )	7.3
Program Power (W)	30
Continuous Power (W)	15

#### **Small Signal Parameters**

Nominal Impedance (Z) ( $\Omega$ )	8
DC Resistance (Re) ( $\Omega$ )	7.3
Voice Coil Inductance (Le) (mH)	0.27
Resonant Frequency (Fs) (Hz) +/- 15%	90
Mechanical Q Factor (Qms)	9.28
Electrical Q Factor (Qes)	0.87
Total Q Factor (Qts)	0.79
Moving Mass (Mms) (gm)	7.53
Suspension Compliance (Cms) (mm/N)	0.39
Mechanical Resistance (Rms) (kg/s)	0.47
Surface Area of Diaphragm (Sd) (cm²)	219.0
Compliance Equivalent Volume (Vas) (L)	15.5
Maximum Linear Excursion (Xmax) (mm)	1.1
Motor Force Factor (BL) (T•M)	6.08
Efficiency (η₀) (%)	2.6
Efficiency Bandwidth Product (EBP) (Fs/Qes)	103.45

#### **Material Descriptions**

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



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#### Net Weight (kg)

0.9







