MODEL #: OK8-T74-RW

8 INCH (203 MM) CEILING SPEAKER ASSEMBLY

PART #: 93120

The OK8-T74-RW is a commercial in-ceiling speaker assembly 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. This model includes the 8WB ceiling speaker grille and the 4T70 transformer.

- 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
- 13" steel speaker grille, 4 watt 70 volt transformer



Primary Specifications

Size, Nominal (inch & mm)	8" (203 mm)
Rated Impedance (Ω)	8
Continuous Power (W)	15
Sensitivity (dB SPL) [1]	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) (Ω)	7.3
Program Power (W)	30
Continuous Power (W)	15

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	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) (cm^2)	219
Compliance Equivalent Volume (Vas) (L)	15.5
Maximum Linear Excursion (Xmax) (mm)	1.1
Motor Force Factor (BL) (T•M)	6.08
Efficiency (η_0) (%)	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
Voice Coil Former Material	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)	1.91





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