

The OK83-T74 is a high performance coaxial speaker with a mounted tweeter and transformer for full-range sound systems. Audio from this model achieves high dispersion within higher frequencies for speech and music—a perfect choice for paging, public communications, and background music applications.

- Coaxial speaker
- 8" (203 mm) stamped steel basket
- 3" (77 mm) tweeter
- 20 watts, 8 ohm, 97 dB SPL
- 4 watt transformer, 70 volt
- 1" copper voice coil, aluminum former
- Paper cone, 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>	20
<b>Sensitivity (dB SPL) <sup>1</sup></b>	97
<b>Frequency Range (Hz)</b>	57 - 14, 000
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	93

### More Specifications

<b>Application</b>	Commercial, Indoor, Voice Communications
<b>RoHS Compliant</b>	Yes
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	7.6
<b>Program Power (W)</b>	40
<b>Continuous Power (W)</b>	20

### Small Signal Parameters

<b>Nominal Impedance (Z) (<math>\Omega</math>)</b>	8
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	7.6
<b>Voice Coil Inductance (Le) (mH)</b>	0.24
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	93
<b>Mechanical Q Factor (Qms)</b>	5.94
<b>Electrical Q Factor (Qes)</b>	1.0
<b>Total Q Factor (Qts)</b>	0.86
<b>Moving Mass (Mms) (gm)</b>	7.70
<b>Suspension Compliance (Cms) (mm/N)</b>	0.23
<b>Mechanical Resistance (Rms) (kg/s)</b>	0.98
<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>	0.6
<b>Motor Force Factor (BL) (T•M)</b>	6.6
<b>Efficiency (<math>\eta_0</math>) (%)</b>	2.6
<b>Efficiency Bandwidth Product (EBP) (Fs/Qes)</b>	199.64

### 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>	340
<b>Cone Body Material</b>	Paper
<b>Spider Material</b>	Cotton
<b>Dust Cap Material</b>	Felt

**Net Weight (kg)** 1.36

