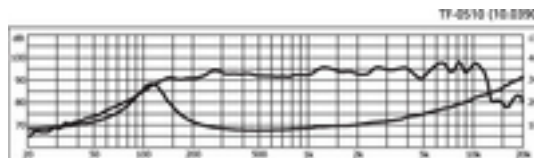
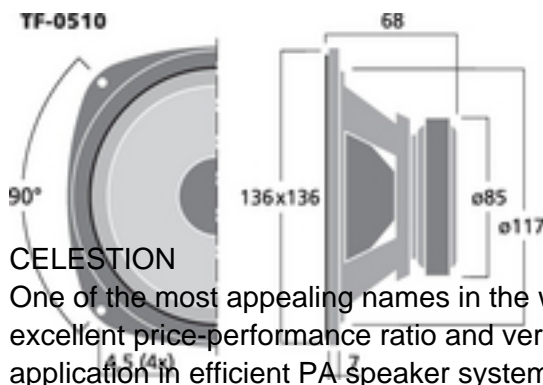


## TF-0510 - PA Midrange Speaker



CELESTION



CELESTION

One of the most appealing names in the world of speakers. The speakers of the TF series impress by both an excellent price-performance ratio and very good sound characteristics and thus are ideally suited for an application in efficient PA speaker systems providing a powerful sound.

PA midrange speaker, 30 W, 8 Ohm

- 13 cm (5") compact PA midrange speaker with a very wide radiation range
- High-quality Kevlar fibre-reinforced cellulose cone
- Very linear frequency response and wide bandwidth
- 25 mm (1") heat-resistant voice coil on a Kapton voice coil former
- Ideally suited for multiple arrangements in line arrays or column speakers
- Very good sound quality and thus also suitable for hi fi applications
- Ideally suited also for monitor speakers of smallest size with respective subwoofer support

HiFi-Selbstbau, Online magazine 2008

"The TRUVOX-0510 from CELESTION is a small but powerful midrange speaker of the old school and is



available at a really reasonable price.”

## Technical data:

Impedance (Z)	: 8 Ohm
Transmission technology	: -
Frequency range	: f3-13,000 Hz
Resonant frequency (fs)	: 110 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	: -
Power rating (RMS)	: 30 W
Peak music power output (MAX)	: 60 W
SPL	: 91 dB/W/m
Max. rated SPL	: -
Max. voltage	: -
Radiation angle	: -
Radiation angle, horizontal	: -
Radiation angle, vertical	: -
Suspension compl. (Cms)	: 0.3 mm/N
Moving mass (Mms)	: 5.5 g
Mech. Q factor (Qms)	: 2.4
Electr. Q factor (Qes)	: 0.58
Total Q factor (Qts)	: 0.46
Equivalent volume (Vas)	: 4.2 l
DC resistance (Re)	: 6.4 Ohm
Force factor (BxL)	: 6.50 Tm
Voice coil induct. (Le)	: 0.38 mH
Voice coil diameter	: $\tilde{A}$ 25 mm
Voice coil former	: Kapton
Linear excursion (X <sub>MAX</sub> )	: $\pm$ 1.1 mm
Eff. cone area (Sd)	: 105 cm <sup>2</sup>
Magnet weight	: 370 g
Magnet diameter	: $\tilde{A}$ 85 mm
Mounting cutout	: $\tilde{A}$ 117 mm
Mounting depth	: 61 mm
Mounting hole diameter	: $\tilde{A}$ 140 mm
Hole spacing X-axis	: 99 mm
Hole spacing Y-axis	: 99 mm
Dimensions	: 136 x 136 x 68 mm
Outside diameter	: 151 mm

Width	: 136 mm
Height	: 136 mm
Depth	: 68 mm
Colour	: black
Protective class	: -
Admiss. ambient temp.	: 0-40 °C
Weight	: 0.92 kg
Packing unit	: 1
Type of speaker	: 5.25"
Packing dimensions (W x H x L)	: 0.155 x 0.12 x 0.15 m
Gross weight	: 1.03 kg
Net weight	: 0.92 kg
Low-impedance	: 1