



TF-0510

Order No.: 10.0390

Price upon request

PRODUCTINFOS

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 Ω

- 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 SPECIFICATIONS

TF-0510

Impedance (Z)	8 Ω
Frequency range	f3-13,000 Hz
Resonant frequency (fs)	110 Hz
Power rating	30 W
Peak music power output	60 W
Sensitivity	91 dB/W/m
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 Ω
Force factor (BxL)	6.5 Tm
Voice coil induct. (Le)	0.38 mH
Voice coil diameter	\varnothing 25 mm
Voice coil former	Kapton
Linear excursion (X_{MAX})	\pm 1.1 mm
Eff. cone area (Sd)	105 cm ²
Magnet weight	370 g
Magnet diameter	\varnothing 85 mm
Mounting cutout	\varnothing 117 mm
Mounting depth	61 mm
Mounting hole diameter	\varnothing 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

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Admiss. ambient temp.	0-40 °C
Weight	0.92 kg
Sales unit	1
Type of speaker	5.25"