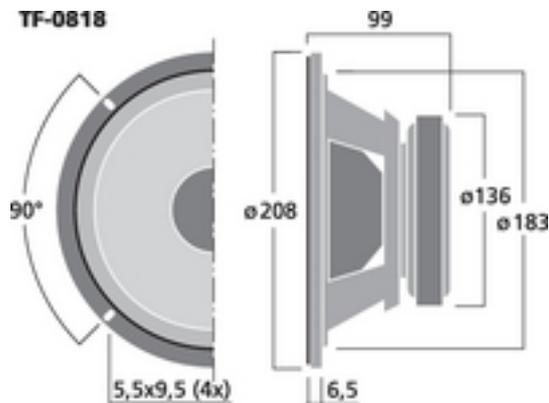
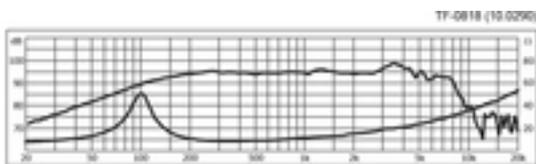


## TF-0818 - PA Midrange Speaker



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 bass-midrange speaker, 100 W, 8 Ohm

- PA bass-midrange speaker, excellent sound, power reserves in the bass range down to approx. 90 Hz
- High-quality Kevlar fibre-reinforced cellulose cone
- 44.5 mm heat-resistant voice coil on a Kapton voice coil former
- Excellent linear frequency response and wide bandwidth
- With  $\pm 3.5$  mm, a high XMAX for this speaker class

# CELESTION

- Double-roll surround for an excellent linearity
- Robust sheet steel basket
- Ideally suited for compact PA top parts with subwoofer support

HOBBY HiFi 05/2012

“The TF-0818 provides an excellent midrange reproduction with a high-quality sound and outstanding dynamics.”

Klang+Ton 03/2011

“Ideal components for compact PA top parts ... also perfectly suitable for satellite speakers of an outstanding level stability in genuine home cinema systems.”

## Tekniske data

Impedance (Z)	: 8 Ohm
Transmission method	: -
Frequency range	: f3-6,000 Hz
Resonant frequency (fs)	: 94 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	: -
Power rating (RMS)	: 100 W
Peak music power output (MAX)	: 200 W
Sensitivity	: 94 dB/W/m
Max. rated SPL	: -
Max. voltage	: -
Radiation angle, horizontal	: -
Radiation angle, vertical	: -
Suspension compl. (Cms)	: 0.17 mm/N
Moving mass (Mms)	: 17.5 g
Mech. Q factor (Qms)	: 3.83
Electr. Q factor (Qes)	: 0.50
Total Q factor (Qts)	: 0.44
Equivalent volume (Vas)	: 12.5 l
DC resistance (Re)	: 6.4 Ohm
Force factor (BxL)	: 11.36 Tm
Voice coil induct. (Le)	: 0.75 mH
Voice coil diameter	: $\tilde{\text{A}}$ 45 mm
Voice coil former	: Kapton
Linear excursion (X <sub>MAX</sub> )	: $\pm$ 3.5 mm
Eff. cone area (Sd)	: 255 cm <sup>2</sup>
Magnet weight	: 0.9 kg
Magnet diameter	: $\tilde{\text{A}}$ 136 mm
Mounting cutout	: $\tilde{\text{A}}$ 183 mm
Mounting depth	: 92.5 mm
Mounting hole diameter	: $\tilde{\text{A}}$ 195-199 mm
Hole spacing X-axis	: 138-140.7 mm
Hole spacing Y-axis	: 138-140.7 mm
Dimensions	: $\tilde{\text{A}}$ 208 mm x 99 mm
Outside diameter	: $\tilde{\text{A}}$ 208 mm
Width	: $\tilde{\text{A}}$ 208 mm

# CELESTION

Height	: -
Depth	: 99 mm
Protective class	: -
Admiss. ambient temp.	: 0-40 °C
Weight	: 2.28 kg
Packing unit	: 1
Type of speaker	: 8"