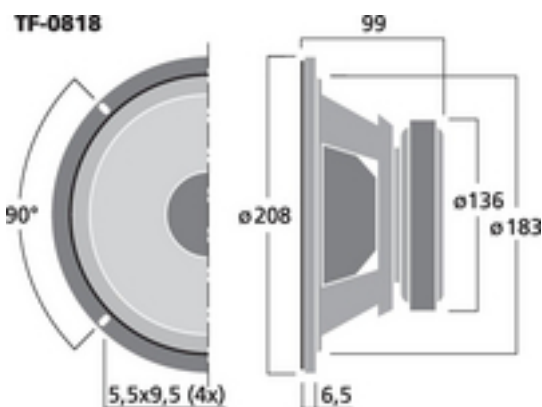
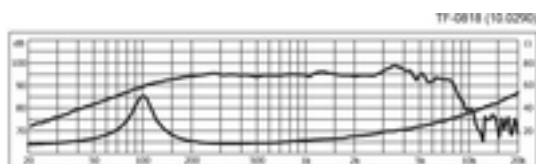


## TF-0818 - PA Midrange Speaker



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.”

## Tekniset tiedot:

|   |                                 |
|---|---------------------------------|
| 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                       | : $\tilde{\sim}$ 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                           | : $\tilde{\sim}$ 136 mm         |
| Mounting cutout                           | : $\tilde{\sim}$ 183 mm         |
| Mounting depth                            | : 92.5 mm                       |
| Mounting hole diameter                    | : $\tilde{\sim}$ 195-199 mm     |
| Hole spacing X-axis                       | : 138-140.7 mm                  |
| Hole spacing Y-axis                       | : 138-140.7 mm                  |
| Dimensions                                | : $\tilde{\sim}$ 208 mm x 99 mm |
| Outside diameter                          | : $\tilde{\sim}$ 208 mm         |
| Width                                     | : $\tilde{\sim}$ 208 mm         |

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